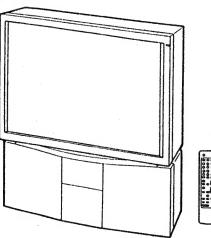
KP-S4613 RM-832

SERVICE MANUAL

AEP Model Chassis No. SCC-F39A-A



AP-2 CHASSIS

MODELS	OF	THE	SAME	SERIES
KP-S461	3			

SPECIFICATIONS

Front

Television system

Colour system

Channel coverage

Projected picture size Terminals

Rear

B/G/H, D/K, L, I

PAL/SECAM and NTSC 3.58/NTSC

4.43 (VIDEO IN)

See page 2 "Receivable channels

and channel displays" at the bottom.

116 cm (46 inches)

-- 1 21-pin Euro connector

(CENELEC standard) inputs for audio

and video signals

- inputs for RGB

- outputs of TV video and audio signals

(3-2/- 221-pin Euro connector

- inputs for audio and video signals

- inputs for S-video

- outputs for audio and video

signals(selectable)

3 4/- 4 421-pin Euro connector

- inputs for audio and video signals

- inputs for S-video

- outputs for audio and video signals

(monitor out)

-⊚ 2, -⊚ 4 S-video inputs - 4 pin DIN

Audio inputs (L, R) - phono jacks

S-video output 4-pin DIN

Audio outputs - phono jacks Audio outputs (variable)-phono jacks

External speaker terminals: 2-pin DIN

- Audio inputs - phono jacks

3 S-video input - 4-pin DIN

ΠHeadphone jack; stereo minijack

- 3 video input - phono jack

Sound output

2 x 30W

220 Wh Power consumption

Dimensions (W×H×D) 1103.9×1289.1×511.8 mm

(incl. Speakers)

Mass (incl. speakers)

Other features

Digital comb filter (High resolution)

PIP (Picture-in-picture)

Design and specifications are subject to change without notice.

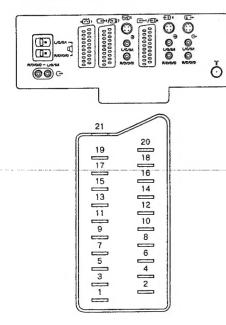


COLOR REAR VIDEO PROJECTOR SONY

Receivable Channels and Channel Displays

	Receivable channels	Indication on the screen	
PAL B/G/H	E212 2169	C02 C03 C04C12 C21C69	
CABLE TV (1)	\$141	S01 S02S41	
CABLE TV (2)	S01S05 M1M10 U1U10	\$42\$46 \$01,.\$10 \$11\$20	
ITALIA	ABCDEFGHH1 H22169	C11C69	
SECAM D/K	R01R12 R21R60	C02C12 C21C60	
SECAML	F2. F10 F21. F69	C01C12 C21C69	
PAL I	B21B68	C21C68	

21 pin connector (-;; , (-; 2, (-; 4)



4 pin connector (🕣)

Pin No.	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB, 750hms, positive Sync: 0.3V ; & dB
4	C (S signal) input	0.3V ± 3dB, 75ohms, positive

Pin No.	1	2	Signal	Signal level
1	0	0	Audio output B (right)	Standard levet 0.5Vrms Output impedance: Less than 1kohm*
2	0	0	Audio Input B (right)	Standard levet 0.5Vrms Input Impedance: More than 10kohms*
3	0	0	Audio output A (left)	Standard levet 0.5Vrms Output Impedance: Less Ihan 1kohm*
4	0	0	Ground (audio)	
5	0	0	Ground (blue)	
6	0	0	Audio Input A (left)	Standaro level: 0.5Vrms Input Impedance: More than 10kohms*
7	0	•	Blue Input	0.7V ± 3dB, 75ohms, positive
8	0	0	Fu .ction select (AV control)	High state (9.5 - 12V): Part mode Low state (0 - 2V): TV mode input.impedance: More than.10kohm: Input capacitance; Less than 2 nF
8	0	0	Ground (green)	
10	0	0	Open	
11	0	•	Green	Green signal: 0.7V ± 3dB, 75ohms, positive
12	0	0	Open	
13	0	0	Ground (red)	
14	0	0	Ground (branking)	
	0	-	Red Input	0.7V ± 3dB, 75ohms, positive
15	-	0	(S signal) croma input	0.3V ± 3dB, 75ohms, positive
16	0	•	Blanking Input (Ys signal)	High state (1 – 3V) Low state (0 – 0.4V) Input Impedance: 75ohms
17	0	0	Ground (video output)	
18	0	0	Ground (video Input)	
19	0	0	Video output	1V ± 3dB, 75ohms, positive Sync: 0.3V (- 3, +10dB)
20	0	-	Video Input	1V ± 3dB, 75ohms, positive Sync: 0.3V (– 3, +10dB)
20	-	0	Video Input/Y (S signal)	1V ± 3dB, 75ohms, positive Sync: 0.3V (- 3, +10dB)
21	0	0	Common ground (plug	, shield}

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

COMPONENTS IDENTIFIED BY SHADING AND MARK A. ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY-RELATED COMPONENT WARNING!!

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

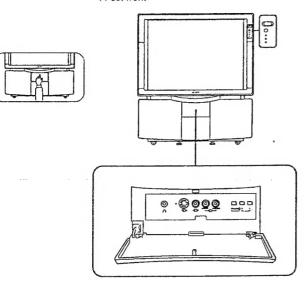
SECTION 1

GENERAL

1-1. OVERVIEW

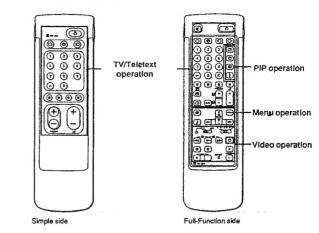
This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set-front



Symbol	Name	Refer to page
0	Main power switch	14
ø	Standby indicator	14
A-CD-B	Stereo A/B indicators	16
Ω	Headphones jack	22
® 3,€ 3, -€ 3,	Input jacks (S video/video/audio)	22
[-4-D	Function selector (Programme/volume/input)	15
-/ +	Adjustment buttons for function selector	15

Remote commander



TV/Teletext operation

Note The SAT button does not operate with this TV.

Symbol	Name	Refer to page
Œ	Mute on/off button	15
o	Standby button	14
0	TV power on/TV mode selector button	14
3	Teletext button	15
- Đ	Input mode selector	15
G	Output mode selector	23
1,2,3,4,5,6, 7,8,9,and 0	Number buttons	14
./	Double-digit entering button	14
С	Direct channel entering button	11
D+/-	Volume control button	14
PROGR+/-	Programme selectors	14
0 6	Teletext page access buttons	19
•	Picture adjustment button	16
V	Sound adjustment button	16
③	On-screen display button	15
9	Teletext hold button	19
©	Time display button	15
-	Fastext buttons	19

PIP (Picture-in-picture) operation

Symbol	Name	Refer to page
C	PIP on/off button	18
t	PIP source selector	18
3	Swap button	18
©	PIP position changing button	18

Menu operation

lefer to page
8
8
8
8

Video operation

rided operation		
Name	Refer to page	
MEMUSE selector	25	
MEM indicator	25	
Video equipment selector	24	
Video equipment operation buttons	24	
RESET button	25	
	Name MEMUSE selector MEM indicator Video equipment selector Video equipment operation buttons	

O

green, and blue).

Before you begin

- Locate Menu operation buttons on the Remote commander, They are shaded in the illustration at the left.

Display the Menu

- O or a number button on the Remote Commander.
- 2 Press MENU. The main menu appears, (See Fig. 1)





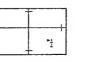


Fig. 3

	†
1	+
	_ <u>-i</u>



Note on the DEMO function If you choose DEMO on the main menu, you can see a sequential demonstration of the menu functions.

Once you have set up the TV, you can choose the language of the menu. Then you should converge the three colour layers (red,

- Check that the Full-Function side of the Remote Commander is
- Decress O on the TV. The TV will switch on. If the standby indicator on the TV is lit, press



2 Choose a language

- Select "Language" with the ∆+ or ∇- button and press the OK The LANGUAGE menu appears (See Fig. 2)
- 2 Select the language you want with Δ + or ∇ and press OK.
- 3 Press to return to the main menu.

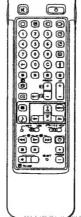
3 Converge the red, green, and blue

- Select "Convergence" with Δ + or ∇ and press OK. The convergence menu appears. (See Fig. 3)
- Select "the line" you want to adjust with ∆+ or ∇-. Key to line adjustment symbols: I (red vertical - left/right adjustment) - (red horizontal - up/down adjustment) I (blue vertical - left/right adjustment)
- (blue horizontal up/down adjustment) 3 Press OK.
 - The line to adjust is selected.
- Press∆+ or ∇- to converge the selected line with the centre green line and oress OK

To move up (horizontal line) To move right (vertical line)	Press ∆+
To move down (horizontal line)	Press ∇-
To move left (vertical line)	

- 5 Repeat steps 2-4 to adjust the other lines, until all the lines have overlapped to form a white cross. (See Fig. 4.)
- 6 Press MENU to return to TV picture.

1-3. TUNING IN TO TV STATIONS



To go back to the main menu Keep pressing -

To stop automatic channel presetting Press - on the Remote Commander,

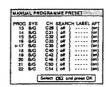
Notes

- · After presetting the channels automatically, you can check which channels are stored on which programme positions. For details, see "Using the Programme Table' on page 17.
- · You can exchange the programme positions to have them appear on screen in the order you like. For details, see "Exchanging the Programme Positions* on page 11.

You can preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.





Preset channels automatically

- 1 Press MENU to display the main menu.
- 2 Select "Preset" with △+ or ∇- and press OK. The PRESET menu appears. (See Fig. 5.)
- Select "Auto Programme" with △+ or ∇- and press OK. The AUTO PROGRAMME menu appears. (See Fig. 6.)
- 4 Press OK. Select if necessary the TV broadcast system with $\Delta +$ or ∇- and press OK. (B/G for western European countries, D/K for eastern European countries) The first element of the "PROG"
- number will be displayed in red on a black background. Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit number with △+ or ▽- or the number buttons (e.g. For "17", select "1") and press OK.

The second element of "PROG" will be displayed in red on a black background.

- Select the second element of the double-digit number with Δ + or ∇- or the number buttons (e.g. For "17", select "7") and press OK.
- Using △+ or ▽-, select C (to start presetting from the C channels) or S (to start presetting from the S channels) and press OK.

The automatic channel presetting starts.

When presetting is finished, the preset menu reappears. (See Fig. 8.) All available channels are now stored on successive number buttons.

If you want to change to another broadcasting system, repeat 3-6.

8 Press MENU to return to TV picture.









Use this method if there are city a few channels in your area to preset or if you want to preset channels one by one. You may also allocate programme numbers to various video input sources.

If you have made a mistake Press - to go back to the previous position.

To return to the main menu

Keep pressing -.

To tune in a channel by frequency
Alter selecting F in step 6, enter three digits using the number buttons.

6

Preset channels manually

- 1 Press MENU to display the main menu.
- 2 Select "Preset" with △+ or ∇- and press OK. The PRESET menu appears. (See Fig. 9.)
- 3 Select "Manual Programme Preset" with △+ or ∇- and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 10.)
- 4 Using △+ or ▽-, select the programme position (number button) to which you want to preset a channel, and press OK.
- 5 Select, if necessary, the TV broadcast system (B/G for western European countries, D/K for eastern European countries) or a video input source (EXT) with △+ or ▽-. Then press OK. The CH position will be displayed in red on a black background. (See Fig. 11.)
- 6 Using △+ or ∇−, select C (to preset a regular channel), S (to preset a cable channel), or F (to tune in by frequency) and press OK.

The first element of the "CH" number will be displayed in red on a black background.

If you have selected EXT in step 4, select the video input source with \triangle + or ∇ -. (See Fig. 12.)

There are two ways to preset channels. If you know the channel number, go to step "7-Manual".

or

If you don't know the channel number, go to step "8-Search"

- 7 Manual
- Select the first element of the "CH" number with △+ ∇- or the number buttons and press OK.
 The second element of the "CH" number will be displayed in red on a black background.
- -b Select the second element of the number with $\triangle + \nabla -$ or the number buttons.
- The selected number appears, (See Fig. 13.)
- Press OK.
 The "SEARCH" position is highlighted and the selected channel is now stored. (See Fig. 14.)
- -d Press OK until the cursor appears by the next programme position.
- -e Repeat steps 3 to 7 to preset other channels.
- 8 Search
- Press OK repeatedly until the colour of the SEARCH position changes.
- -b Start searching for the channel with △+ (up) or ∇-(down). The CH position changes colour. (See Fig. 15.) The CH number starts counting up or downwards, When a channel is found, it stops. (See Fig.16.)
- Press OK if you want to store this channel. If not, press △+ or ▽to continue channel searching.
- d Press OK until the cursor appears by the next programme position.
- -e Repeat steps 3 to 7 to preset other channels.
- 9 Press MENU to return to TV picture.

PRESET	37.3
Airlo Programme Hanual Programme Preset Programme Exchange Parental Lock	
Salact (NC) and press (I)]

Fig. 9

PROG		CH	SEARC	CH LABEL	. AS
13	B.G	CZS	f off 1		for
14	B/G	C31	t off		la
15	8.0	C32	No 1		la
14	BAG	C33	No 1		1-
₽17	BAG	C3S	t off		200
18	BC	C40	f off		Cor
14	B/G	C42	l of		10
30	BAG	C46	No I		100
21	B/G	CSO	eff 1		
22	BAG	C34		*****	(or
44	670	C-34	(of)	*****	(0

Fig. 1

) (an)

Fig. 11

18	EXT	AVI	
Fig.	12		_

17 8G C3[3 (off)(on)

17 BG C35 (of)(on)

17 8.G C35 (AV) -----(on)

Fig. 16

Press ← to go back to the previous position

This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station

name, manual fine-tuning, and using the parental lock.

You can skip this section, if not needed.

Before you begin

PROGRAMME

EXCHANGE

0000

0000

0000

7 0 0 0

0 0 0 O

0 0 0 0 0 0 0

೯೩೦ ಡಿವ

6660

OD - 0

For programme

The display scrolls automatically.

If you have made a

To go back to main

Keep pressing -.

mistake

positions beyond 15

(B)

1-4. ADDITIONAL PRESETTING FUNCTIONS

- Check that the Full Function side of the Remote Commander is visible.
- · Locate the Menu operation buttons,

Exchanging Programme Positions

With this function, you can exchange the programme positions to a preferable order.

- 1 Press MENU to display the main menu.
- 2 Select "Preset" with △+ or ∇- and press OK. The PRESET menu appears.
- 3 Select "Programme Exchange" with △+ or ▽- and press OK, The PROGRAMME EXCHANGE menu appears.(See Fig. 17.)
- 4 Using △+ or ▽-, select the programme position you want to exchange with another and press OK. The colour of the selected position changes. (See Fig. 18.)
- 5 Using △+ or ∇-, select the programme position to be exchanged and press OK. Now the two programme positions have been exchanged. (See Fig. 19.)
- 6 Repeat steps 4 and 5 to exchange other programme positions.
- 7 Press MENU to return to TV picture.

Tuning in to a Channel Temporarily

You can tune in to a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

 Press C on the Remote Commander. For cable channels, press C twice.
 The indication "C" ("S" for cable channels) appears on the screen.

2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4).

The channel appears.
However, the channel will not be stored.

(See Fig. 20.)



Fig. 17

17	C35	25 505	*****

Flg. 18

		CH	LABEL	PROG	CH
- 1	3	CZS		21	C50
1	14	C31		22	C54
- 1	5	C32	*****	23	C57
- 1	6	cas		24	503
- 1	7	C40	*****	25	Sos
- 1	4	C35	*****	26	506
		C42		27	510
2	•	C46		24	515

Fig. 19



Fig. 20

PRESET

MANUAL PROGRAMME | Skipping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- 1 Press MENU to display the main menu.
- Select "Preset" with △+ or ∇- and press OK. The PRESET menu appears.
- Select "Manual Programme Preset" with △+ or ▽- and press OK. The MANUAL PROGRAMME PRESET menu appears. (See
- 4 Using △+ or ∇-, select the programme position which you want to skip and press OK. The "SYS" position changes colour.

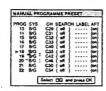
5 Press △+ or ∇- until *----* appears in the SYSTEM position. (See

Fig. 22.) 6 Press OK, (See Fig.23.)

When you select programmes using the PROGR+/--buttons, the programme position will be skipped,

- 7 Repeat steps 4 to 6 to skip other programme positions.
- 8 Press MENU to return to TV picture.





Flg. 21

19 --Fig. 22

20 B/G

Fig. 23

MANUAL PROGRAMME PRESET

If you have made a

Press - to go back to

the previous position.

To go back to main

Keep pressing -

mistaka

Captioning a Station Name

You can "name" a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identify which channel or video source you are watching.

- 1 Press MENU to display the main menu.
- Select "Preset" with △+ or ∇- and press OK. The PRESET menu appears.
- Select "Manual Programme Preset" with △+ or ▽- and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig.
- 4 Using △+ or ▽-, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with △+ or ∇- and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select - and press OK. (See Fig. 25.)
- 6 After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 26.)
- 7 Repeat steps 5 and 6 to caption names for other channels
- 8 Press MENU to return to TV picture.



Fig. 24

20 B/G C46 (off) Sg--- (on)

20 8/G C=6 (off) SONY-(on) >21 8/G C50 (off) ----- (on)

Fig. 26

MANUAL PROGRAMME PRESET

Manual Fine-Tuning

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine tuning function to obtain better picture reception.

- 1 Press MENU to display the main menu.
- Select *Preset* with △+ or ∇- and press OK.

The PRESET menu appears.

Select "Manual Program Preset" with ∆+ or ∇- and press OK. The MANUAL PROGRAMME PRESET menu appears. (See

To reactivate AFT (automatic fine tuning) Repeat from the beginning and select "ON" in step 5.

- 4 Using ∆+ or ∇-, select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.
- Fine-tune the channel with Δ+ or ∇- so that you get the best TV reception. As you press the cursor buttons, the frequency changes from - 15 to + 15. (See Fig. 28.)
- 6 After fine tuning, press OK. The cursor appears beside the next programme position (at the left margin), (See Fig. 29.) Now the fine-tuned level is stored.
- 7 Repeat steps 4 to 5 to fine-tune other channels.
- 8 Press MENU to return to TV picture.

PROG	573			CH LABER	AF
13	B/G	C24	(68)	(an
14	B-G	Cat	No.)		-
15	BG	C25	100	}	jon
16	8.0	C33	noff.		511
17	B/G	C40	l off	1	-
18	BAG	C35	lio 1		ine
16		C42	1		
× 20	B/G	C44	04	SONY	
21	846	CSO		, ~~,	
22		Cap	(off		-
- 22	BG	C54	-		ton

Fig. 27

20 BrG C46 (eff) SONY - (-1)

Fig. 28

20 DrG . C46 (eff SONY. (3)

PARENTAL LOCK

If you try to select a

programme that has

*LOCKED" appears on

the blank TV screen.

been blocked

The message

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- Press MENU to display the main menu
- 2 Select "Preset" with ∆+ or ∇- and Press OK. The PRESET menu appears.
- Select "Parental Lock" with ∆+ or ∇- and press OK. The PARENTAL LOCK menu appears. (See Fig. 30.)
- Using ∆+ or ∇-, select the programme position you want to block and press OK. The selected PROG number, CH and LABEL change colour and the TV picture disappears indicating that this programme is now
- 5 Repeat step 4 to block other programme positions.
- 6 Press MENU to return to TV picture.

Cancelling blocking

blocked, (See Fig. 31.)

- On the PARENTAL LOCK menu, select the programme position you want to unblock with ∆+ or ∇-.
- Press OK.

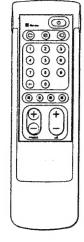
The selected PROG number, CH and LABEL change colour to normal colour and the TV picture appears indicating that the blocking has been cancelled.

PPO		LABEL	PROG	CH
13	C29	****	F-21	Ċ%
14	Cal	*****	22	CS
15	C32		23	CS
16	C33		24	SC
17	C46		25	\$05
16	E15	A	26	50
19		E	27	\$14
20	C46	SONY.	26	515

PROG	£	LABEL	PROG	ÇK	LABEL
13	C50	*****	21		
14	COI		► Z2	CS4	
15	C32		23	C57	
16	cu		24	SCS	

Fig. 31

12



If no picture appears when you depress 0 on the TV and if the standby indicator on the TV is if, the TV is in standby mode. Press 0 or one of the number buttons to switch iton.

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress @ on the TV.

Switching off temporarily

Press o on the Remote Commander.

The TV enters standby mode and the standby indicator on the front of the TV lights up. $\mathring{}$

To switch on again

Press O, PROGR+/-, or one of the number buttons on the Remote Commander.

Switching off completely

Depress @ on the TV.

Selecting TV Programmes

Press PROGR +/- or press the number buttons.

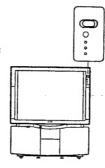
To select a double-digit number

Press -/-, then the numbers.

For example, If you want to choose 23, press -/--, 2, and 3

Adjusting the Volume

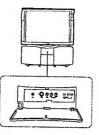
Press 4 +/-.



Operating the TV Using the Buttons on the TV

With the -/+ buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- 1 Press the P-2-D button repeatedly until the programme number, 2 (for volume), or -D (for video input picture) appears. Then adjust with the -I+ buttons.
- Press the -/+ buttons to switch on the TV from the standby mode.
- 3 Press -/+ simultaneously to reset picture and sound controls to the factory preset level (RESET function).



Watching Teletext or Video Input

Watching teletext

- 1 Press @ to view the teletext.
- 2 For teletext operation, enter a 3-digit page number with the number buttons to select a page. For fastext operation, press one of the coloured buttons. For both operations, press ⊕ (PAGE +) for the next page or ⊕ (PAGE -) for the preceding page.
- 3 To go back to the normal TV picture, press O.

Watching a video input picture

- 1 Press repeatedly until the desired video input appears.
- 2 To go back to the normal TV picture, press O.

More Convenient Functions

Use the Full-Function side of the Remote Commander,

Displaying the on screen indications

- Press
 once to display all the indications. They will disappear
 after a few seconds.
- Press @ twice to have the programme number and label stay on screen. Press twice again to make the indications disappear.

Muting the sound

Press &,

To resume normal sound, press & again.

Displaying the time

Press ®. This function is available only when teletext is broadcast. To make the time display disappear, press ® again.

For details of the teletext

operation, refer to

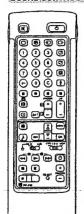
For details of the video

input picture, refer to

page 19.

1-6. ADJUSTING AND SETTING THE TV USING THE MENU

PICTURE CONTROL SOUND CONTROL



Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste, in addition, you can change the aspect ratio of the TV display for wide screen effect or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones.

1 Press (for picture) or) (for sound) on the remote Commander.

Press MENU and select "Picture Control" or "Sound Control", then The PICTURE CONTROL or SOUND CONTROL menu appears.

(See Fig. 32 or Fig. 33.) 2 Using △+ or ∇-, select the item you want to adjust and press OK.

- The selected item changes colour, (See Fig. 34.)
- 3 Adjust the setting with △+ or ∇- and press OK. The cursor appears beside the next item (at the left margin). (See For the effect of each control, see the table below.
- 4 Repeat steps 2 and 3 to adjust other items.
- 5 Press MENU to return to TV picture.



Fig. 32



Flg. 33 Brightness >

Fig. 35

Effect of each control

PICTURE CONTROL	Effect
Contrast	Less — I — More
Brightness	Darker
Colour	Less — More
Hue	Greenish
Sharpness	Softer Sharper
Reset	Resets picture to the factory preset levels.
Format	(4:3)
Resolution	(high)

SOUND CONTROL	Effect
Volume	Less — More
Treble	Less — More
Bass	Less—— More
Balance	More left — I — More right
Reset	Resets sound to the factory preset levels.
Loudness	off: Normal on: When listening to low volume sound.
Space	off: Normal on: Obtain acoustic sound effect.
Dual Sound	A: left channel B: right channel Stereo mono
	The selected mode of the A-CD-B Indicator on the TV lights up.
Headphones:	
Volume	Less — More

A: left channel B: right channel Stereo mono

Dual Sound

This TV cannot select any format other than 4:3.

PROGRAMMETABLE Using the Programme Table

On this table, you can see which channel is preset to which programme position. You can also select programmes using this

- t Press MENU to display the main menu.
- Select "Programme Table" with △+ or ∇- and press OK. The PROGRAMME TABLE menu appears. (See Fig. 36.)
- Select the programme number with $\Delta +$ or $\nabla -$ and press OK. The selected programme appears.
- To scroll to higher programme numbers, press∇-.
- 5 Press MENU to return to TV picture.



Fig. 36

THERE	200.00	W. 4	1000	26.5
- Sweet Terre	F (eff)			-
See 100	and over	- 04	7	

Fig. 37

Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

- 1 Press MENU to display the main menu.
- Select "Timer" with △+ or ∇- and press OK. The TIMER menu appears. (See Fig. 37.)
- To switch off the timer Select "OFF" in step 3.
- To check the remaining time

Press @.

TIMER

- Press OK. The time period option changes colour.
- 4 Select the time period with △+ or ▽-. The time period (in minutes) changes as follows:

10 → 20 → 30 → 40 → 50 → 60 → 70 → 80 → 90

-- OFF --

- After selecting the time period, press OK. The cursor moves back to the left margin and the timer starts counting. One minute before the TV switches into standby mode, a message
- is displayed on the screen. 6 Press MENU to return to TV picture.

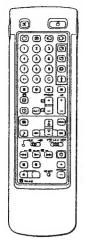
If you have made a mistake Press - to go back to

the previous position. To go back to the main Keep pressing -.

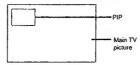
HUE is only available for NTSC colour systems and RESOLUTION does not work for SECAM colour systems.

Note on LINE OUT The audio level and the dual sound mode output from the G- jack on the rear correspond to the Headphone VOLUME and DUAL SOUND

When watching a video input picture You can select DUAL SOUND to change the sound.



Note RGB input source cannot be displayed in PIP. With this function you can display a "PIP screen" (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTR) while watching TV or vice versa. For information about connection of other equipment, refer to page 22.



Switching PIP on and off

Press 🕒

The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To Switch PIP off Press (3 again,

Selecting a PIP source

1 Press t.

The symbol t will be displayed at the bottom, left-hand corner of

Press
preparedly until the desired PIP source is indicated (e.g. TV, AV1, AV2, YC2, AV3, YC3, AV4, YC4).

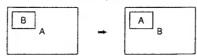
Note

If no video source has been connected, the PIP picture will be

Swapping screens

Press (3.

The main screen will switch the picture with the PIP screen.



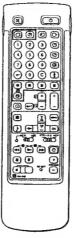
Notes

- If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press t and then the programme number buttons or PROGR +/-.
- Swapping screens takes about 2 seconds after pressing .
- After swapping screens if the colour systems of the main and PIP pictures are different, the PIP picture first appears in black and white and then in colour.

Changing the position of the PIP

Press @ repeatedly to change the position of the PIP screen within the main screen. There are four different positions available.





Note Teletexterrors may occur if the broadcasting signals are weak

With the simple side of the Remote Commander You can switch teletext on and off, operate Fastext, and directly select page numbers.

Note Fastext operation is only possible, if the TV station broadcasts Fastext signals, TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced feletext operation, use the buttons on the FUHF function size of the Femore Commander.

Direct Access Functions

Switching Teletext on and off

- Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press
 to switch on teletext.
 A teletext page will be displayed (usually the index page).
 If there is no teletext broadcast, "No text available" is displayed on the information line at the top of the screen.

To switch teletext off

Press O.

Selecting a teletext page

With direct page selection

Use the number buttons to input the three digits of the chosen page number.

If you have made a mistake, type in any three digits. Then re-enter the correct page number.

With page-catching

- 1 Select a teletext page with a page overview (e.g. index page).
- 2 Press twice. "Page catching" will be displayed on the information line. The last digit of the first displayed page number flashes.
- Using ∆+ or ∇-, select the desired page and press OK.
 The requested page will appear in a few seconds.

Accessing next or preceding page

Press ⊕ (PAGE+) or ⊕ (PAGE-).
The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press @ once in teletext mode or twice in TV mode.
- Press
 again to resume normal teletext reception.

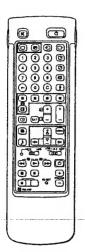
Preventing a teletext page from being updated

- Press ⊕ (HOLD). The HOLD symbol "⊕" is displayed on the information line.
- Press
 to resume normal teletext reception.

Using Fastext

With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander.

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after a few seconds.



Some of the features may not be available depending on the Teletext service

Press OK to select "OFF" for the TIME PAGE setting to cancel the request.

Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched on, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the

- Press MENU. The menu will be superimposed on the teletext display. (See Fig. 38.)
- Using ∆+ or ∇-, select the teletext function you want and press OK. (See Fig. 39.)

USER PAGES/PRESET USER PAGES

See page 21 for information about presetting and operating the

INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display. After selecting the function, an information line △ Top ∇ Bottom OK Full will be displayed. (See Fig. 40.)

Press △+ for Top to enlarge the upper half, ∇- for Bottom to enlarge the lower one and OK for Full to resume the normal size.

Press to resume normal teletext reception.

TEXT CLEAR

After selecting the function, you can watch a TV programme while waiting for a teletext page to be displayed. (See Fig. 41.)

Press to resume normal teletext reception.

Your teletext service will inform you if a TV programme is subtitled. After having selected the function the subtitles will be displayed.

REVEAL

Sometimes Pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After selecting the function, an information line Reveal on/off will be displayed. (See Fig. 42.)

Using ∆+ or ∇-, select ON to reveal the information of OFF to conceal it again.

Press ® to resume normal teletext reception.

TIME PAGE

Your teletext service will inform you, if a time coded page is available. You may have a page (e.g. an alarm page) displayed at a certain time

1 Using ∆+ or ∇-, select "ON". Press OK.

The TV programme you were watching before you selected TIME PAGE is restored.

An information window will be displayed at the bottom of the page.

- 2 To select the desired page, enter three digits for the page number (e.g. 301) using the number buttons and press OK.
- To select the desired time, enter four digits for the desired time (e.g. 1800) using the number buttons and press OK.

The selected time is displayed at the top in the left-hand corner.

At the requested time, the page will be displayed. Press @ to resume normal teletext mode.



Fig. 38



Flg. 39





Fig. 41



SUBPAGE

To cancel the request

Select SUBPAGE and

if two broadcasting

You can preset one

bank to 2 different

programme positions.

stations use the same

press OK.

Teletext

You may want to select a particular teletext page from several subpages which are rotated automatically. After having selected the function, an information line will be displayed.

To select the desired subpage, enter four digits using PROGR +/or the number buttons (e.g. enter 0002 for the second page of a

User Page Bank System

You can store up to 30 pages in the "teletext page bank system" in this way you have quick access to the pages you watch frequently.

Storing pages

There are 5 "banks" (A to E) for 5 teletext stations. In each bank you can store 6 preferred pages (P1 to P6).

- Press @ (if Teletext is not already on) and MENU to show the TELETEXT MENU display.
- 2 Select *Preset User Pages* with △+ or ▽- and press OK.
- Select the desired bank with >+ or ?- and press OK. The cursor will go to the first position (p1) of the preferred pages.
- Input the three digits of your first preferred page with the number buttons.

The cursor will go to the second position.

- 5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number.
- 6 Select "Allocate Bank" with Δ+ or ∇- and press OK.
- 7 Select the programme position on which you want to store the preset pages with △+ or ∇- and press OK. (See Fig. 43)
- 8 Select the desired bank with ∆+ or ∇- (Banks A to E are available)
- 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages.

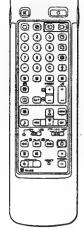
- Select MENU.
- 2 Select "User Pages" with ∆+ or ∇ and press QK. A table of the stored preferred pages will be displayed. (See Fig. 44.)
- Select the desired page with ∆+ or ♥ and press OK. The page will be displayed after some seconds.



٠	Page		
•	Page		
	Page	***	
	Page		
	Page		
	Page		

Fig. 44

Selecting Input with PROGR vi—or number buttons
You can preset video input sources to die programme positions so that you can select them with PROGR vi—or number buttons. For details, see "Preset channels manually" on page 10.



Selecting input and output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press - repeatedly to select the input source.

The symbol of the selected input source will appear. (See Fig. 45.)

To go back to the normal TV picture

Press O.



Input	modes

Symbol	Input signal
-D 1	Audio/video input through the - 1 connector
-Ð	Audio/RGB input through the - 1 connector
-O 2	Audio/video input through the ⊕ 2/ + © 2 connector
- ® 2	AudiorS video input through the ⊕ 2/ – € 2 or – € 2 connector (4-pin connector)
- Đ 3	Audio/video input through - ⊕ 3 and - ⊕ 3 on the front
-⊚ 3	Audio/S video input through the -® 3 (4-pin connector) and -€3 connectors
-Ð 4	Audio/video input through the ⊕+ 4/ -® 4 connector
- ⑤ 4	Audia/S video input through the

You can also select the input mode using the P party and -/+ buttons on the TV. In this case, first select - , and then press -/+ buttons to select the input.

Selecting the output

The \bigcirc 2 / \bigcirc 2 connector outputs the source input from the other connectors.

Press @ repeatedly to select the output.

The symbol of the selected output source appears. (See Fig. 46.)



Fig. 46

Output modes

Symbol	G→ 2/ →® 2 connector outputs
1 G+	Audio/video signal from the 1 connector
2 🕒	Audio/video signal from the ⊕-2/ -® connector
2 ③→	Audio/S video signal from the @-2/ - 2 or - 2 connector (4 pin)
3 G+	Audio/video signal from the - 3, - 3 connectors
3 ③→	Audio/S video signal from the - € 3, - € 3 connectors
4 C+	Audio/video signal from the ⊕+ 4/ +® 4 connector
4 ③→	Audio/S video signal from the - 4/ - 4 or - 4 connector (4 pin)
TVG-	Audio/video signal from the 1F aerial terminal

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Press MENU to display the main menu.
- 2 Select "Video Connection" with Δ+ or ∇- and press OK. The VIDEO CONNECTION menu appears. (See Fig. 47.) You can see which source is selected for the TV and PIP input and for the output. If you want to select the input and output on this menu, go to the next step.
- 3 Select TV-screen (input source for the TV screen), PIP (input source for the PIP screen), or Output (output source) with ∆ + or ∇ and press OK.

One of the source items changes colour. (See Fig. 48.)

4 Select the desired source with Δ+ or ∇-. (See Fig. 49.)

- For details about each source, see the table on page 23.

 5 Press OK,
- These Cox.

 The selected source is confirmed, and the cursor appears. (See Fig. 50.)
- 6 Repeat steps 2 to 4 to select the source for other inputs or outputs.
- 7 Press MENU to return to TV picture.

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most of Sony remote-controlled video equipment such as: Beta, 8 mm and VHS VTRs and video disc players.

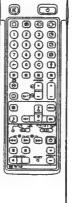
Tuning the Remote Commander to the equipment

1 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:

VTR1: Beta VTR VTR2: 8 mm VTR VTR3: VHS VTR MDP: Video disc player

2 Use the buttons indicated in the Illustration to operate the additional equipment.

If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander. If the equipment does not have a certain function, the corresponding button on the Flemote Commander will not operate.



When recording when you use the e (record) button, make sure to press this button and the one to the right of it simultaneously.

Fig. 47

AV1	TV-Screen:
Fig. 48	
ACS	PIA: 1 PLUS

Fig. 49

CONNE	CTK	IN .
1 PLUS VHS 1 COMPU VHS 2 CAM 2 BETA VHS 3	•	TV-screen: VHS 2 PIP: 1 PLUS
CAM 1	olec	Ourput: 1 PLUS
	_	
	1 PLUS VHS 1 COMPU VHS 2 CAM 2 BETA VHS 3	VHS 1 COMPU VHS 2 CAM 2 BETA VHS 3

Fig. 5

· Do not move the two

Remote Commanders during programming.

· Once the programming

has been completed,

ensure that the new

functions are working

properly, Occasionally, a function cannot be

memorized. · When replacing the

battenes of the

Remote Commander

the new functions will

remain memorized for

thirty minutes, even if

the batteries are

missing.

Remote Control of Non-sony equipment

The TV Remote Commander is programmable. This allows it to memorize the functions of other Remote Commanders using the keys shown in the illustration. A function may be set on any key and on any of the four positions of the VTR 1/2/3 MDP selector.

Memorizing the functions of audio and video equipment not made by Sony.

- Set the MEM/USE selector to the MEM (programming) position.
- Set the VTR 1/2/3 MDP selector to the desired position.
- Arrange the two Remote Commanders facing each other as
- Press the TV Remote Commander button on which a function is to be programmed. The MEM indicator will light on the TV Remote Commander.

Note: If the MEM indicator flashes 8 times, there is no more space in the memory.

- Press the button on the other Remote Commander for the function that is to be memorized. The function will be memorized immediately after the MEM indicator goes off.
- Repeat steps 4 and 5 for all the functions that are to be programmed. If all the buttons of one position of the VTR 1/2/3 MDP selector have been given new functions, you will be able to select a new position and proceed with the programming of the remaining functions.

 Once programming has been completed, set the MEMUSE selector of the TV Remote Commander
- When using audio or video equipment, confirm that the VTR 1/2/3 MDP selector of the TV Remote Commander is set to the same position as the one found during programming.

Cancelling the programmed functions

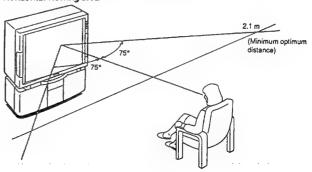
- 1 Set the MEM/USE selector to the MEM position.
- Set the VTR 1/2/3 MDP selector to the position corresponding to the function that is to be deleted.
- Press any programmable button. The MEM indicator will light.
- Press the RESET button using a pencil. The MEM indicator will flash. Keep pressing the RESET button as long as the MEM indicator is flashing. All the functions programmed at this position will be
- 5 Set the MEM/USE selector to the USE position.

1-10. FOR YOUR INFORMATION

Optimum Viewing Area

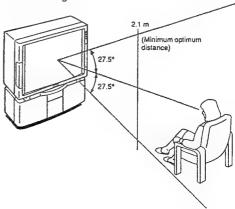
For the best picture quality, try to position the projection TV so that you can view the screen from within the areas shown below.

Horizontal viewing area



Optimum viewing position

Vertical viewing area



Optimum viewing position

Troubleshooting

Here are some simple solutions to some problems which may affect the picture and sound.

Problem	Salution	
No picture (screen is dark), no sound	• Plug in the TV in.	
	 Press © on the TV (if O indicator is on, press O or a programme number on 	
	the Remote Commander).	
	Check the aerial connection.	
	Check if the selected video source is on.	
	 Turn the TV off for three or four seconds and then turn it on again using ①. 	
Poor or no picture (screen is dark), but sound is OK	 Press ■ to enter the PICTURE CONTROL menu and adjust the BRIGHT- 	
	NESS, CONTRAST and COLOUR.	
Good picture but no sound	• Press ⊿ +.	
	Check loudspeakers connection.	
	 If	
No colour for colour programmes	 Press ■ to enter the PICTURE CONTROL menu, select RESET, then press 	
	OK.	
Remote Commander does not function	The batteries are weak.	
	Set the MEM/USE selector to the USE position,	

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

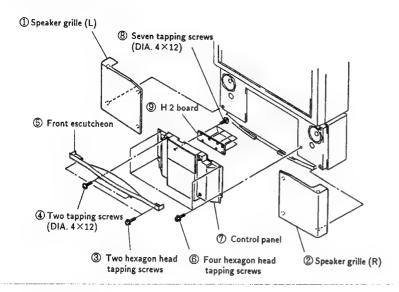
1 14

27

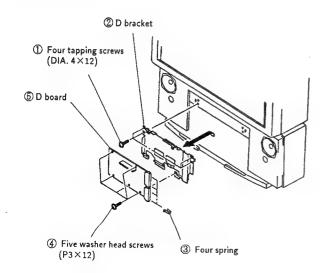


SECTION 2 DISASSEMBLY

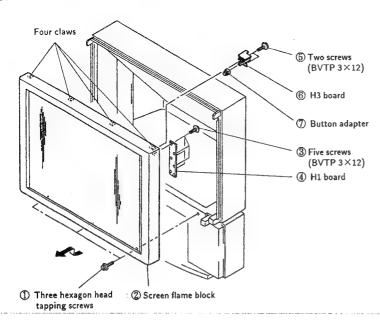
2-1. H 2 BOARD REMOVAL



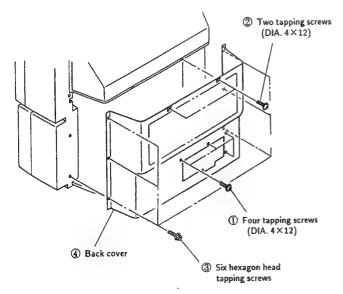
2-2. D BOARD REMOVAL

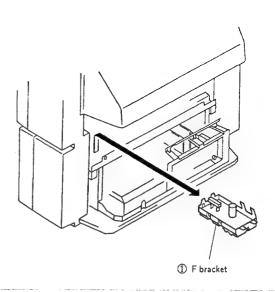


2-3. H1 AND H3 BOARDS REMOVAL

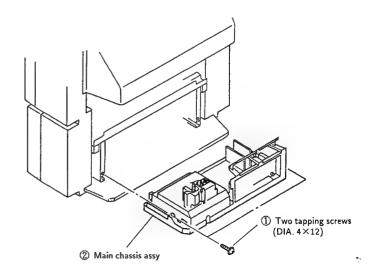


2-4. BACK COVER REMOVAL

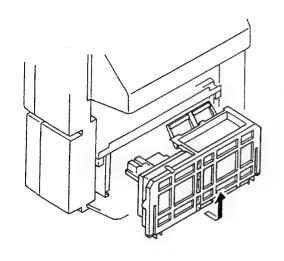




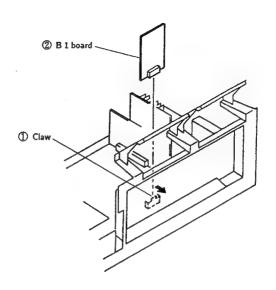
2-6. MAIN CHASSIS ASSY REMOVAL



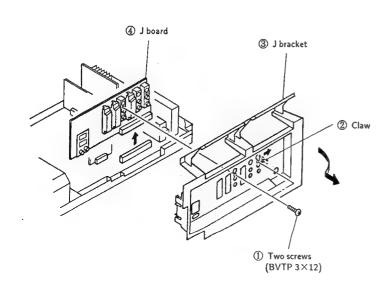
2-7. SERVICE POSITION



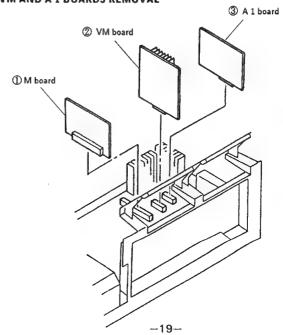
2-9. B 1 BOARD REMOVAL



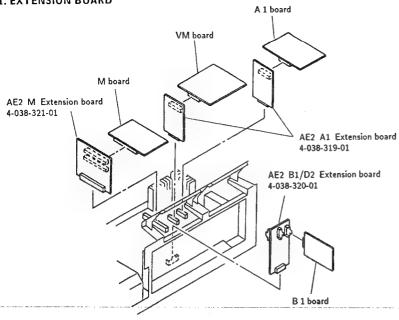
2-8. J BRACKET AND J BOARD REMOVAL



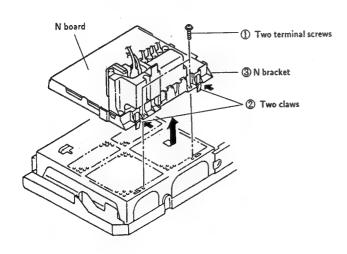




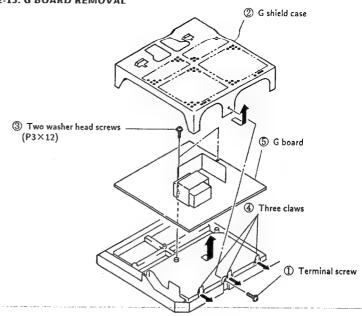
2-11. EXTENSION BOARD



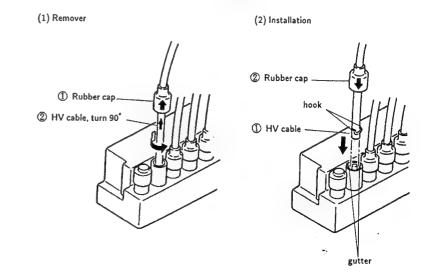
2-12. N BRACKET REMOVAL



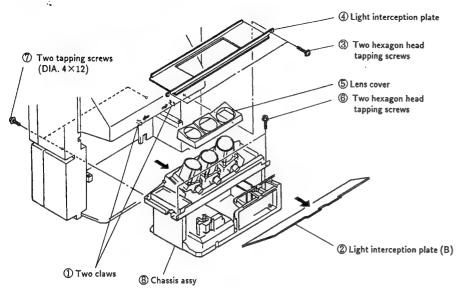
2-13. G BOARD REMOVAL



2-14. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL



2-15. CHASSIS ASSY REMOVAL

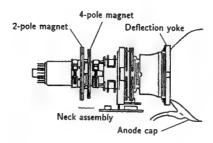


2-16. PICTURE TUBE REMOVAL ① Lens ③ Four tapping screws (DIA. 4×12) ④ Picture tube ⑤ Neck assy ⑤ CB board ④ D bracket

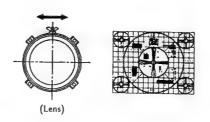
SECTION 3 SET-UP ADJUSTMENTS

3-1. FOCUS LENS ADJUSTMENTS

- Set the D-board registration variable resistor (VR) and the position VR (CENTER VR) to mechanical.
- Set the centering magnets (for red, green, and blue) to 0 as shown in the figure.

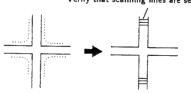


- Input monoscope signal. Set 50% BRIGHTNESS and minimum PICTURE. Make rough adjustment so that 10IRE of the monoscope signal becomes faintly luminous.
- Set PICTURE and BRIGHTNESS maximum. Press the commander menu button. Select CONVERGENCE to display test signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
 Similarly, select B OFF to cut off blue output.
- 6. Turn the green lens to eliminate flare of the test signal.

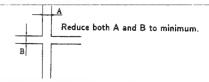




Verify that scanning lines are seen.



 Turn the green focus VR in the focus block to adjust green focus to reduce both A and B of the test signal to minimum.



 Repeat avobe 7. Couple of times to improve tracking and obtain an optimum lens focus. Then tighten the lens screws.

3-2. DEFLECTION YOKE POSITION ADJUSTMENTS

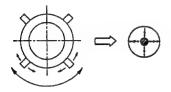
- 1. Input monoscope signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
 Similarly, select B OFF to cut off blue output.
- Loosen the deflection yoke (DY) fitting screws.
 Tilt the DY to obtain the best horizontal and vertical monoscope patterns.
- After adjustment, press the DY onto the cathode ray tube (CRT) funnel and tighten the screws.
- 5. Also adjust DY positions for red and blue outputs in the same way.

3-3. 2-POLE MAGNET ADJUSTMENT

- 1. Input dot signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.

Similarly, select B OFF to cut off blue output.

- Set PICTURE to maximum. Turn the green focus variable resistor (VR) in the focus block counterclockwise to brighten the point in the dot.
- 4. Adjust the 2-pole magnet to position the bright point at the center of the dot.
- 5. Adjust the red and blue dots in the same way.



3-4. 4-POLE MAGNET ADJUSTMENT

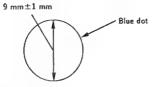
- 1. Input dot signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.

Similarly, select ${\rm I\hspace{-.1em}I\hspace{-.1em}I}$ OFF to cut off blue output.

- Set PICTURE to maximum. Turn the green focus variable resistor (VR) in the focus block clockwise until the dot diameter becomes 15 mm to 20 mm.
- 4. Adjust the 2-pole magnet to make the dot perfectly round.
- 5. Adjust the red and blue dot in the same way.

3-5. DE-FOCUS ADJUSTMENT (BLUE)

- 1. Input dot signal.
- Turn the blue focus variable resistor (VR) in the focus block counter clock wise so that the diameter of the blue dot becomes 9±1mm.



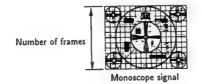
3-6. GREEN PICTURE ADJUSTMENTS

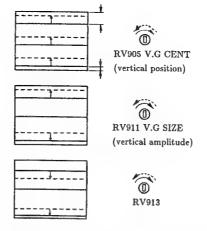
- 1. Input monoscope signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.

Similarly, select B OFF to cut off blue output.

 Turn RV913 and RV960, the vertical green linearity variable resistors (V.G LIN VRs) on the D-board, to obtain an optimum vertical linearity. Then turn RV911, the vertical green amplitube variable resistor (V.G SIZE VR) to set vertical amplitude to 11.7 flames.

Note: The vertical position indicator of the monoscope signal must be positioned at the center by adjusting RV905, the vertical green center position variable resistor (V.G CENT VR) in advance.





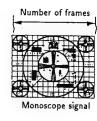
Verify that the horizontal lines on the top and bottom of cross-hatched area of the monoscope signal are horizontal and linear.



 Turn RV916, RV964 and RV969, the horizontal green linearity variable resistors (H.G LIN VRs) on the D-board, to obtain an optimum horizontal linearity.

Then turn RV908, the horizontal green amplitude variable resistor (H.G SIZE VR) to set horizontal amplitude to 15.6 frames.

Note: The horizontal position indicator of the monoscope signal must be positioned at the center by adjusting RV902, the horizontal green center position variable resistor (V.G CENT VR) in advance.









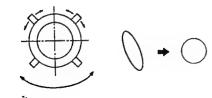


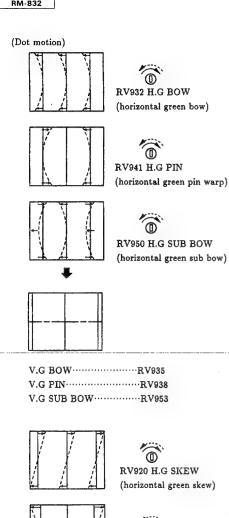
7. Input cross hatch signal.

Turn vertical green (V.G) and horizontal green (H.G) variable resistors (VRs) and make adjustments according to the following steps:

(Adjustment procedure)

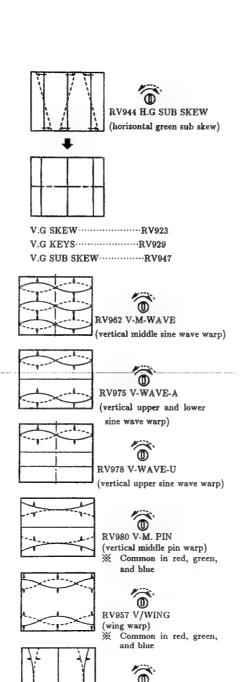
- 1. $[BOW] \rightarrow [SKEW] \rightarrow [CENT (center position)]$
- 2. [PIN (pin warp)] → [SUB BOW] → [BOW]
- 3. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
- [M.WAVE (middle sine wave warp)] →
 [WAVE-A (upper and lower sine wave warp)] →
 [WAVE-U (upper sine wave warp)]
 ※ For vertical (V) only.
- [V-M.PIN (vertical middle pin warp)] → [V/WING (vertical wing warp)]
 ※ For vertical (V) only.
- 6. [H-M.PIN (horizontal middle pin warp)]※ For horizontal (H) only.





RV925 H.G KEYS

(horizontal green trapezoid)



RV956 H/M. PIN (vertical middle pin warp)

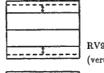
3-7. GREEN AND RED REGISTRATION ADJUSTMENTS

- 1. Input cross hatch signal.
- Enter service mode. Select B OFF of SERVICE MODE to cut off blue output.
- 3. Turn the vertical red (V.R) and horizontal red (H. R) variable resistors (VRs) to adjust red picture convergence in relation to green picture according to the following steps:

(Adjustment procedure)

- [LIN (linearity)] → [SIZE (amplitude)] →
 [CENT (center position)] →
- 2. [BOW] → [SKEW] → [CENT (center position)]
- [PIN (pin warp)] → [SUB BOW] → [BOW]
 [H/M. PIN (horizontal middle pin warp)]
- 4. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
- [M.WAVE (middle sine wave warp)] →
 [WAVE-A (upper and lower sine wave warp)] →
 [WAVE-U (upper sine wave warp)]

(Dot motion)



RV912 V.B SIZE (vertical red amplitude)

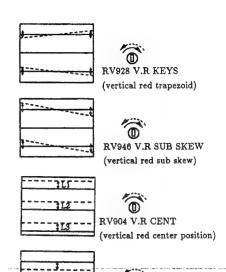


RV952 V.R SUB BOW (vertical red sub bow)



(1) V943 V.R BOV

RV943 V.R BOW (vertical red bow)



	(0)
	RV922 V.R SKEW
	(vertical red skew)

RV917 V.R LIN

(vertical red linearity)

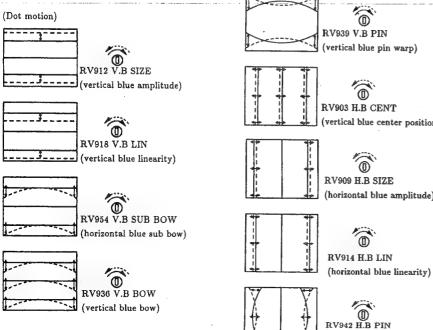
H.	R LIN	RV915
H	R SIZE	RV907
H	R CENT	RV901
H	R BOW	RV931
H	R SKEW	RV919
H	.R PIN	RV940
H	.R KEYS	RV926
H	R SUB BOW	RV949
H	R SUB SKEW	/RV943
V	-M-WAVE····	RV973
V-	-WAVE-A····	RV976
V.	-WAVE-U·····	·····RV979
V-	M.PIN	RV980
v	/WING	RV957
H	/M.PIN	RV956

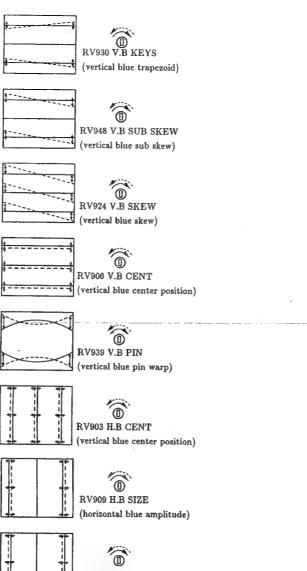
3-8. GREEN AND BLUE REGISTRATION ADJUSTMENTS

- 1. Input cross hatch signal.
- Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
- 3. Turn the vertical blue (V.B) and horizontal blue (H.B) variable resistors (VRs) to adjust blue picture convergence in relation to green picture according to the following steps:

(Adjustment procedure)

- [LIN (linearity)] → [SIZE (amplitude)] →
 [CENT (center position)] →
- 2. [BOW] → [SKEW] → [CENT (center position)]
- [PIN (pin warp)] → [SUB BOW] → [BOW]
 [H/M. PIN (horizontal middle pin warp)]
- 4. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
- [M.WAVE (middle sine wave warp)] →
 [WAVE-A (upper and lower sine wave warp)] →
 [WAVE-U (upper sine wave warp)] →





(horizontal blue pin warp)



RV954 H.B SUB SKEW (horizontal blue sub skew)



(I) RV951 H.B SUB BLOW (horizontal blue sub bow)



RV921 H.B SKEW (horizontal blue skew)



(RV927 H.B KEYS (horizontal blue trapezoid)



(horizontal blue bow)



RV981 Common in red, green, and blue



RV982 ** Common in red, green, and blue

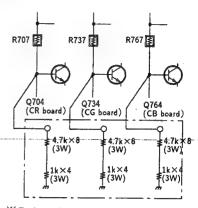
3-9. REGISTRATION ADJUSTMENTS

- 1. Out put red, blue, and green.
- 2. Out put cross hatch and monoscope signals to check registration. Also check focus.

3-10. WHITE BALANCE ADJUSTMENTS

1) Screen adjustment

- 1. Input white signal,
- 2. Remove connectors CR-15, CG-16, and CB-17.
- Fit jigs between the ground and R707, R737, and R767.



* Resistors in each jig are connected serial.

- Turn the RGB (red, green, and blue) screen variable resistors in the focus block to make the flyback line faint. Stop before the line completely disappears.
- 5. Insert connectors CR-15, CG-16, and CB-17.

2) White balance adjustments (09, 14, 15, 16, 17)

- 1. Input monoscope signal and enter service mode.
- Select the picture quality adjustment from the menu and set PICTURE minimum. Select the CXA1587S service item.
- Use the commander to adjust 09 (SUB BRIGHT) so that 10IRE of the monoscope pattern becomes faintly luminous.
- 4. Input white signal.
- Set PICTURE minimum. Adjust item 16 (green cut off) and 17 (blue cut off) to obtain an optimum white balance.
- Set PICTURE maximum. Adjust 14 (green-drive) and 15 (bluedrive) to obtain an optimum white balance.
- Repeat white balance adjustment alternating PICTURE setting at the minimum and maximum.

SECTION 4

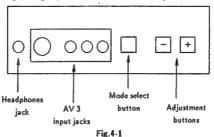
CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-832.

HOW TO ENTER INTO SERVICE MODE

 Turn on the main power switch of the set while pressing any two buttons on the front panel.



"TT" will appear on the upper right corner of the screen.

- 4. Press the 🗓 and 💟 buttons of the commander and move > to DEMO.
- 5. Press OK button to proceed to the next menu.
- The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.

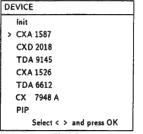
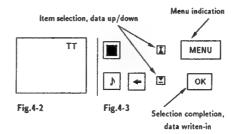


Fig.4-5

7. If adjustment item is CXA 1587, press the

□ button and move > to CXA 1587.

Command operation in service mode



3. Press the MENU button of the commander to get the menu on screen.

MAIN MENU				
Programme Table				
Video Connection				
Picture Control				
Sound Control				
Timer				
Preset				
Language				
> Demo convergence				
Select < > and press OK				

Fig.4-4

CXA 1587

	item No.	Adjustment item	Data Amount
	01	PICTURE	53
	02	COLOR	31
	03	BRIGHT	31
	04	HUE	31
	05	SHARPNESS	7
	06	RGB PICTURE	13
	07	SUB CONTRAST	ADJ.
į	08	SUB COLOR	ADJ.
	09	SUB BRIGHT	ADJ.
	10	SUB HUE	7
	11	VM LEVEL	2
İ	12	NR LEVEL	0
	13	ABL MODE	0
	14	G-DRIVE	ADJ.
	15	B-DRIVE	ADJ.

- 8. Press OK button to get the next selection menu.
- 9. Press **y** button and move > to the adjustment item and press OK button.
- 10. Press the ☑ and ☑ buttons to change the data in order to comply each standard.
- 11. Press OK button to write data.
- 12. Turn off the power to quit service mode when completing the adjustment.

CXA 1587

Item No.	Adjustment item	Data Amount
01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	2
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	32
31	DAC TEST	OFF
32	PRE/OVER SHOOT	7
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

CXA 1526

Item No.	Adjustment item	Data Amount
01	DC SHIFT	32
02	UPPER Y BOW	4
03	LOWER Y BOW	5
04	H.AMP	48
05	H TILT	29
06	UPPER COR BOW	32
07	UPPER TILT	32
08	LOWER COR BOW	32
09	LOWER TILT	32

38	AGING 1	OFF
39	AGING 2	OFF
40	AKB	ON
41	INHIBIT RGB	OFF
42	FORCED RGB	OFF
43	V/2 V	OFF
44	AXIS	PAL
45	HUE SW	OFF
46	VEXTENTION	OFF
47	AFC1	1
48	AFC 2	0
49	AFC	ON
50	REF.POSITION	0

CXD 2018

Item No.	Adjustment item	Data Amount
01	V SIZE	No ADJ.
02	V SHIFT	No ADJ.
03	S CORRECTION	No ADJ.
04	V LINEARITY	No ADJ.
05	H SIZE	No ADJ.
06	PIN AMP	No ADJ.
07	TILT	No ADJ.
08	UPPER CORNER	No ADJ.
09	LOWER CORNER	No ADJ.
10	V BOW	No ADJ.
11	ANGLE	No ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAN	OFF
19	INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	No ADJ.

Typical Value (OSD based) when receiving PAL Philips pattern.

TDA 6612	Adjustment item	Data Amount
	Stereo-Separation	30

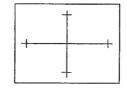
Should be adjusted twice 4:3 and 16:9 mode.

CX 7948 a

Cross Bar	(off)
Mesh	(no)
Fine Mesh	(off)

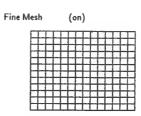
Select ▲ ▼ and press OK.

Cross Bar



(on)

Mesh (on)



Y FILTER ADJUSTMENT

- 1. Input PAL RED pattern.
- 2. Connect an oscilloscope to CN 0123 ① pin (R OUT) on the A board.
- 3. Enter into service mode and press 3, 8.
- Adjust data by △ or ▽ to minimize the chroma element of CN 0123 ① pin.

SUB BRIGHTNESS ADJUSTMENT

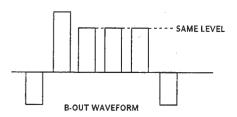
- 1. Input Phillips pattern.
- 2. Enter into service mode and press 23.
- Adjust data so that 0-IRE of the grey scale and CUT
 -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

- Input a video that contains small 100% area on the Black Back ground.
- Enter into service mode and press 01 to have PIC max followed by 21.
- Adjust data so that 2.5 Vp-p can be obtained at ① CN 0123 (R out).

SUB COLOR ADJUSTMENT

- 1. Input PAL color bar.
- 2. Connect an oscilloscope to CN 0125 ① pin (B OUT) on the A board.
- 3. Enter into service mode and press 22 of CXA 1587, 8 SUB COLOR.
- Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

- Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
- 2. Enter into service mode and press 19.
- Adjust data so that sound does not leak to the R-ch and the L-ch.

DRIVE AND CUT OFF

See direct test mode list attached and refer to sub brightness or such for adjustment method.

DEFLECTION SYSTEM ADJUSTMENT

- 1. Enter into service mode and select CXD 2018.
- Select and adjust each item in order to get an optimum image.

CXD 2018

Item No.	Adjustment item	Data Amount
01	V SIZE	No ADJ.
02	V SHIFT	No ADJ.
03	S CORRECTION	No ADJ.
04	V LINEARITY	No ADJ.
05	H SIZE	No ADJ.
06	PIN AMP	No ADJ.
07	TILT	No ADJ.
08	UPPER CORNER	No ADJ.
09	LOWER CORNER	No ADJ.
10	V BOW	No ADJ.
11	ANGLE	No ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAN	OFF
19	NON INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	No ADJ.

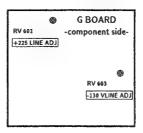
H SHIFT



3. Press OK button to write the data.

If menu display may disturb the adjustment press of to clear, to resume it, press of again.

4-2. G BOARD ADJUSTMENTS



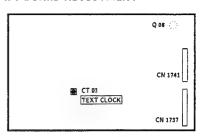
+225 V LINE ADJUSTMENT (RV 601)

- 1. Input the color-bar signal.
- 2. Connect a digital multimeter to emitter of Q 604.
- 3. Adjust RV 601 so that voltage is $\pm 225 \text{ V} \pm 0.5 \text{ V}$.

-130 V LINE ADJUSTMENT (RV 603)

- 1. Input the color-bar signal.
- 2. Connect a digital multimeter to emitter of Q 612.
- 3. Adjust RV 603 so that voltage is -130 $V \pm 0.1 V$.

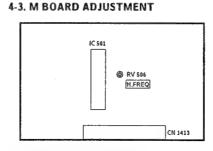
4-4. V BOARD ADJUSTMENT



TEXT CLOCK ADJUSTMENT (CT 01)

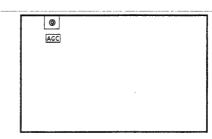
- 1. Get TEXT MENU on screen.
- 2. Connect GND and the base of Q 08 on V board.
- Adjust CT 01 on V board so that the MENU stands still as much as possible.

4-5. IF ADJUSTMENT



H.FREQ ADJUSTMENT (RV 506)

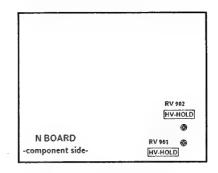
- 1. Connect GND to @pin of IC 501 on M board.
- 2. Connect a frequency counter to 4 pin of IC 501.
- 3. Adjust RV 506 on M board to 15,625+100 Hz.
- 4. Remove 12 pin of IC 501 from GND.



AGC ADJUSTMENT (IF BLOCK)

- 1. Receive off-air signal.
- Adjust AGC VR so that there is no snow noise and cross-modulation.
- 3. Change receiving channel and confirm status.

4-6. N BOARD ADJUSTMENTS



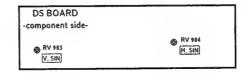
HV-HOLD DOWN ADJUSTMENT

- 1. Connect the HV meter.
- 2. Receive dot pattern.
- 3. Adjust HV to 33.5 ± 0.1 KV by RV 901.
- Slowly turn the RV 902 till HV-HOLD DOWN work.
- 5. RV 902 fixed with RTV.

HV-REGULATOR ADJUSTMENT

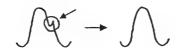
- 1. Connect the HV meter.
- 2. Receive dot pattern.
- 3. Adjust HV to 31.5 ± 0.1 KV by RV 901.
- 4. RV 901 fixed with RTV.

4-7. DS BOARD ADJUSTMENTS



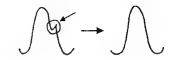
H. SIN ADJUSTMENT

- 1. Connect an oscilloscope to pin ① of IC 1712 on DS board.
- 2. Adjust H. SIN by RV984.



V. SIN ADJUSTMENT

- 1. Connect an oscilloscope to pin ① of IC 1712.
- 2. Adjust V. SIN by RV983.



Model name	KP-S 4613
	011
Pal Comb	ON
PiP	ON
RGB Priority	ON
Woofer Box	OFF
Scart 1	ON
Scart 2	ON
Front in (3)	ON
Scart 4	ON
Dyn. Convergence	OFF
Projector	ON
A×B in 16 : 9 mode	ON
Norm B/G	ON
Norm !	ON
Norm D/K	ON
Norm AUS	OFF
Norm L	ON
Norm SAT	OFF
Norm M	OFF
Language Preset	English

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbors. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Aging Condition (Volumin., Picture max., Brightness
	max., Aging 2 Mode of CXA 1587, TDA 2595 is
1	locked to CXA 1587 via PIN 34 of μ -Con.)
08	Shipping Condition (Analog Values are RESET due
	to factory setting, Prog 1 is selected, TT Mode is
ĺ	switched off)
09	dummy
10	Tenth entry is deleted
11	Balance
12	Hue
13-14	dummy
15	Read factory setting from NVM
	Reads Volume, Balance, Treble, Bass, Brightness,
	Contrast, Hue, Sharpness, Colour values from ROM
	to the actual used values (Last Power Memory)
16	Save actual used values as RESET values
	Memorize actual used values Balance, Treble, Bass,
	Hue, Sharpness at RESET position in NVM
17	Preset Lavel for AV Sources
18	dummy
19	Stereo Seperation
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24-29	dummy

30	Tenth entry is deleted	
31	Green Drive	
32	Blue Drive	
33	Green Cut Off (Auto Cut Off)	
34	Blue Cut Off (Auto Cut Off)	
35	Red Cut Off (Manual Cut Off)	
	(Auto Cut Off is switched off)	
36	Green Cut Off (Manual Cut Off)	
	(Auto Cut Off is switched off)	
37	Blue Cut Off (Manual Cut Off)	
	(Auto Cut Off is switched off)	
38	Y-Filter adjustment (Trap is switched off and TDA	
	9145 is switched in forced NTSC Mode)	
39	dummy	
40	Tenth entry is deleted	
41	Default setting of CXA 1587	
	(Only in Plog 99 available)	
42	Default setting of CXA 2018	
	(Only in Plog 99 available)	
43	Default setting of CXA 1526	
	(Only in Plog 99 available)	
44	(all Port High) Not yet	
45	(all Port High) Not yet	
46-48	dummy	
49	Erease the NVM Testbyte (this byte detects already	
	stored NMV's) After selecting this function, switch	
	TV Off and On $ ightarrow$ the NVM will be preset by μ -	
	Controller. (Not the channel data)	

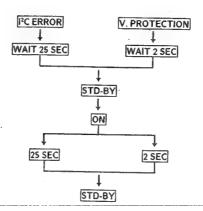
Note: For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected. After selecting a new Test Mode Number, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

> In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-9. ERROR MESSAGE

Self diagnos system can operates as follows.

· When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner Pli
4	TDA 9145	Colour decoder
5	CXA 1587	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection

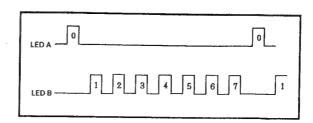
Stand by LED blinking

No IK return

4-10. ERROR II C BUS DIAGNOSIS SYSTEM

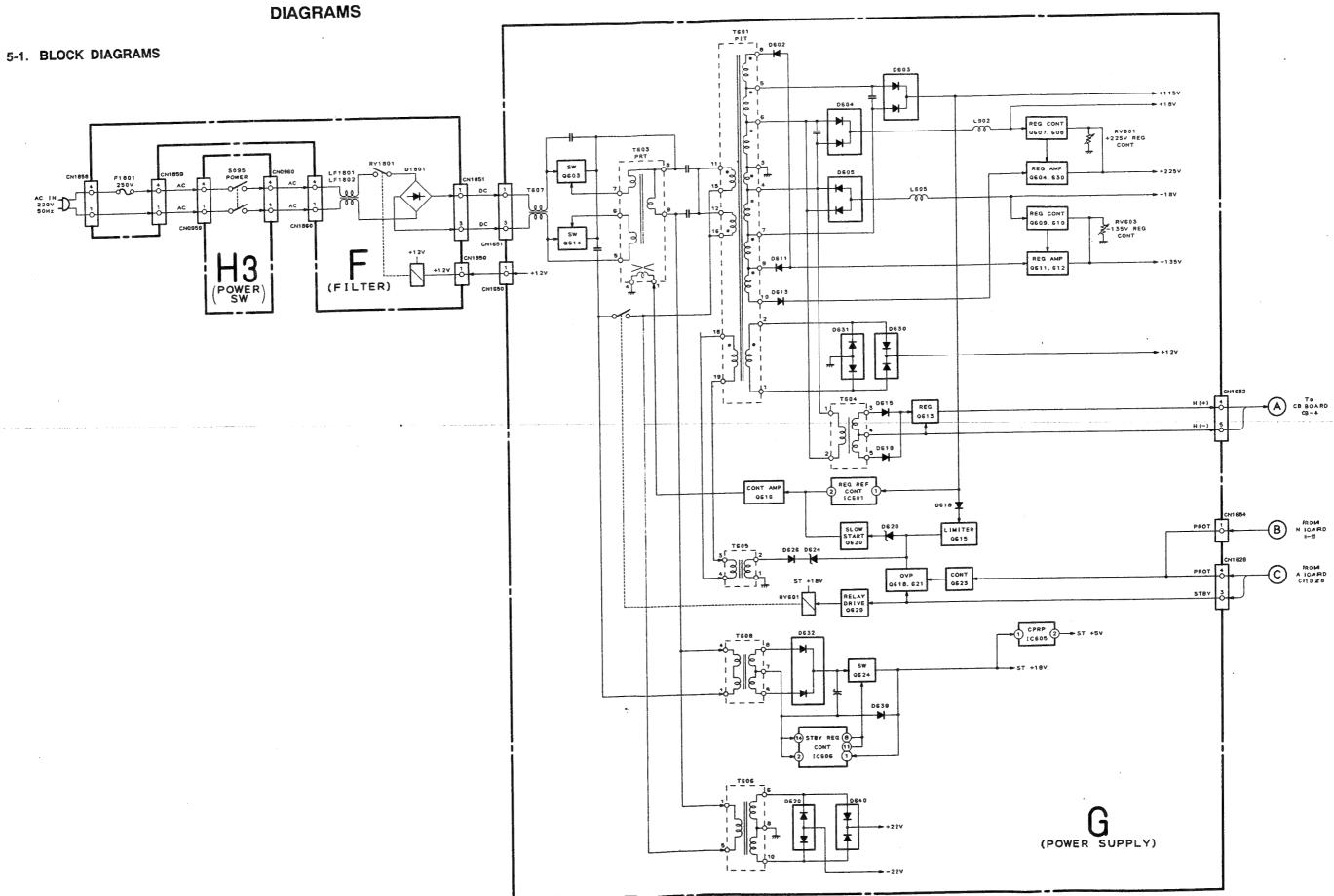
For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I2C Bus diagnosis system.

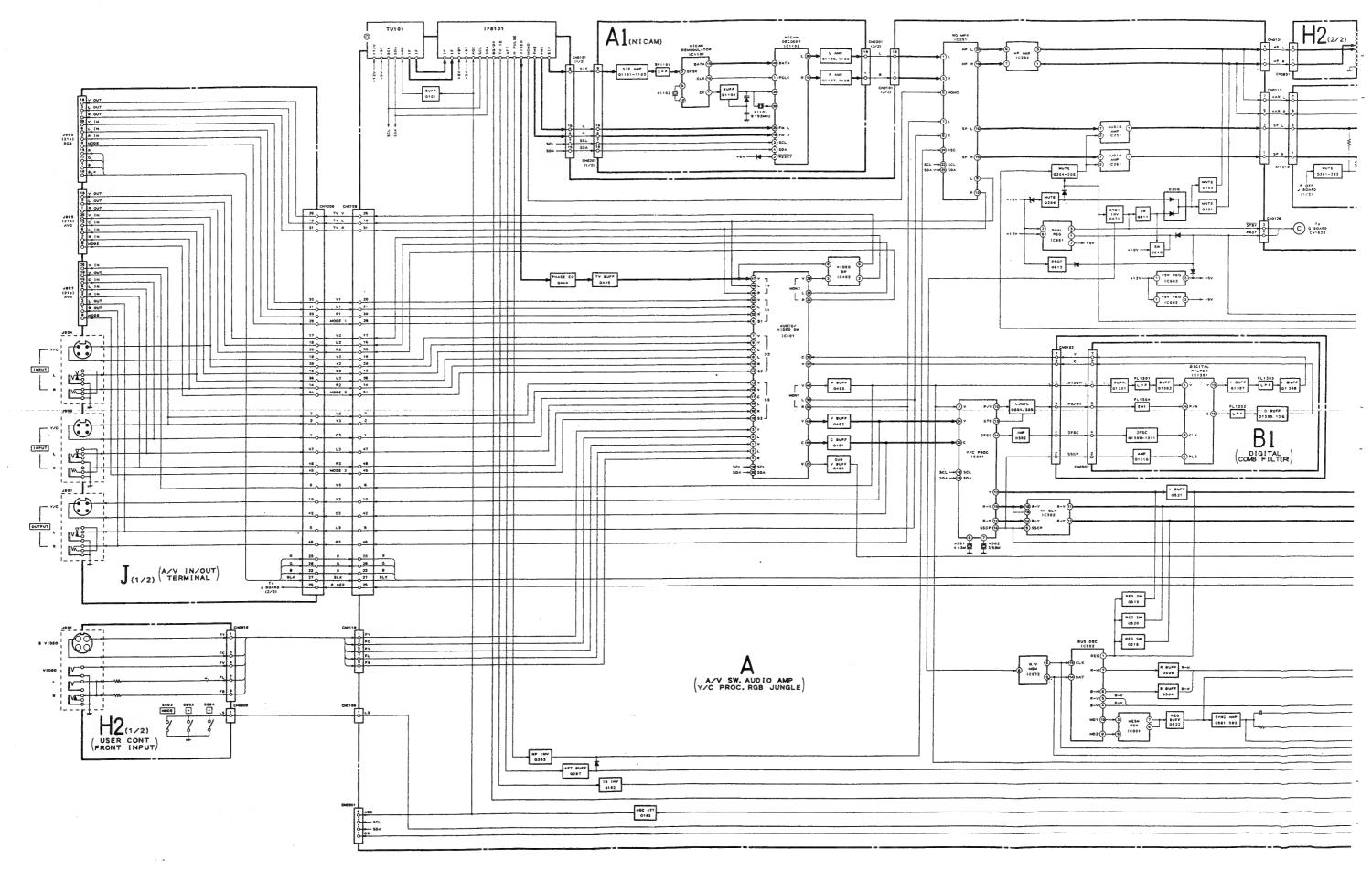
In case of no acknowledge bit, LED A and LED B starts blinking as shown.

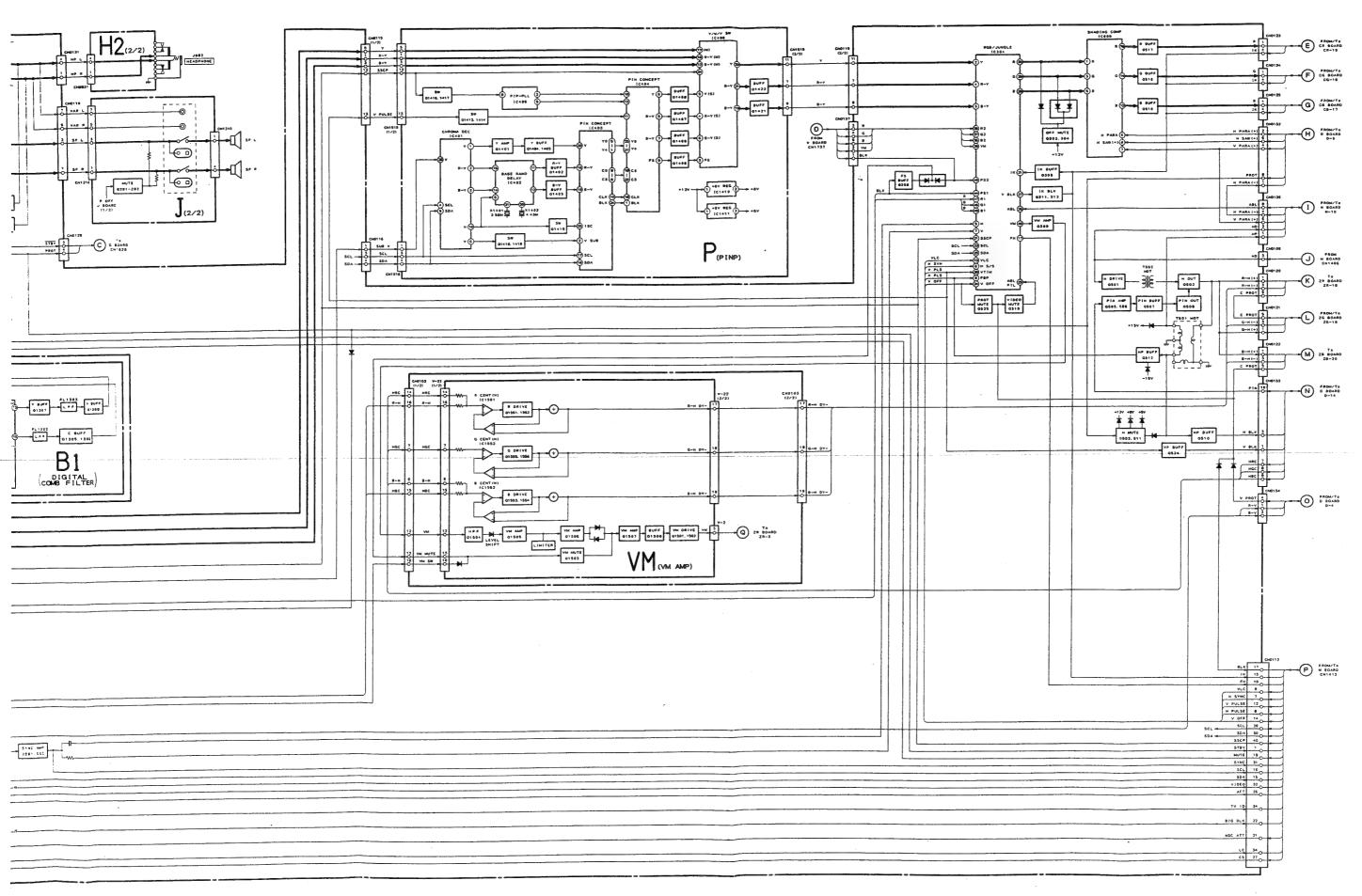


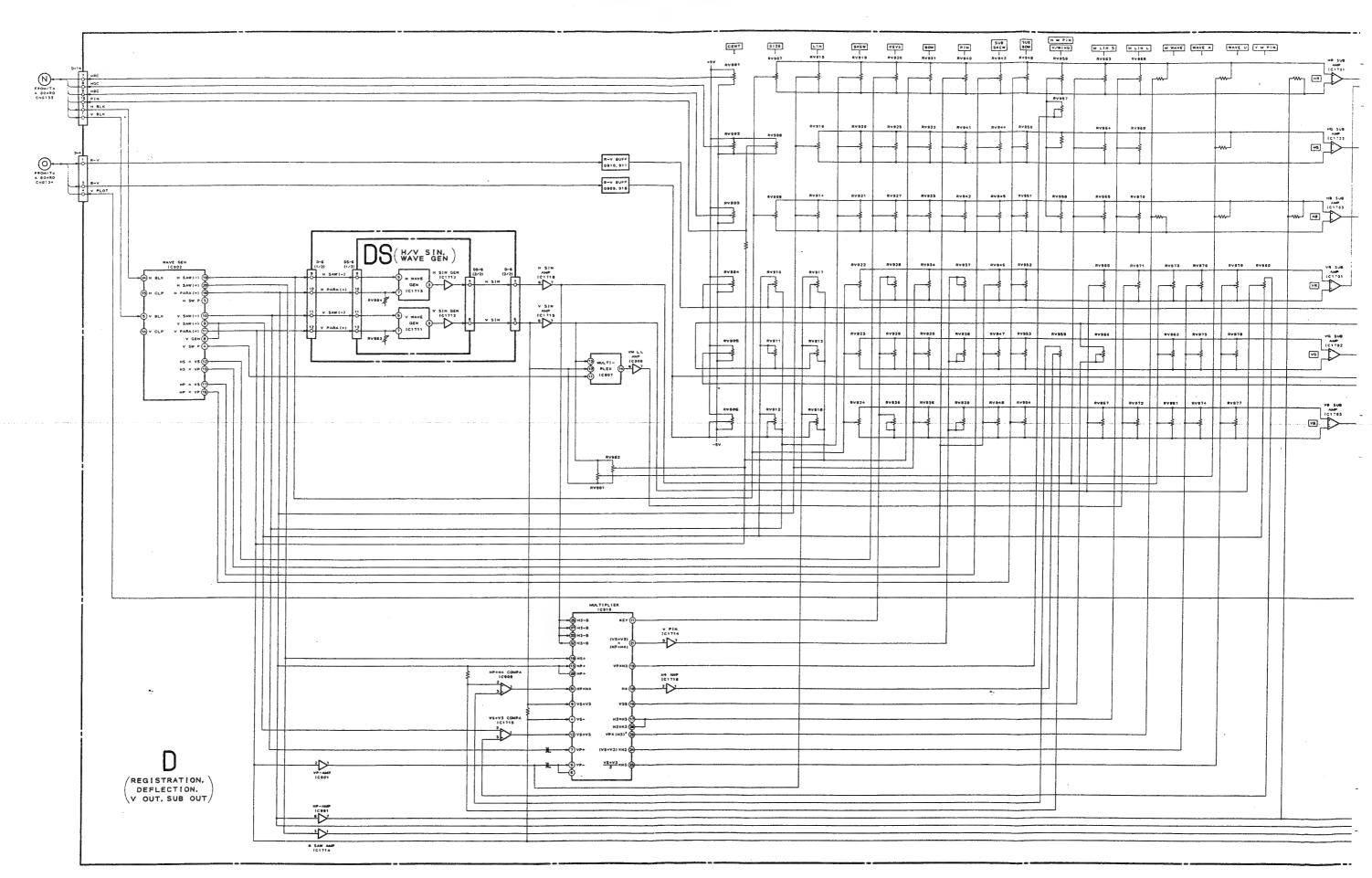
5-1. B

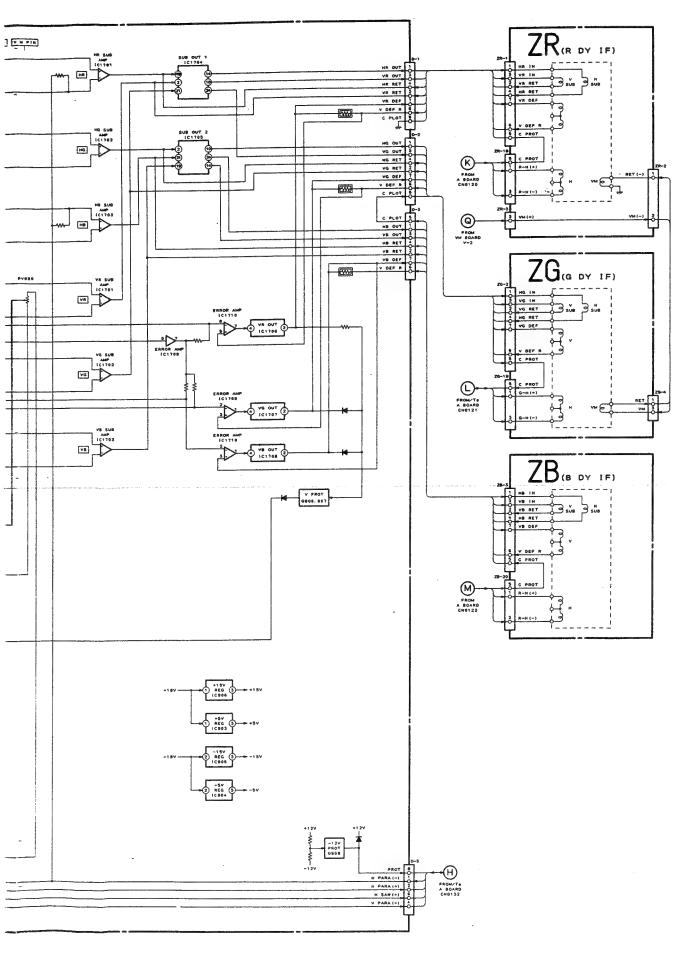


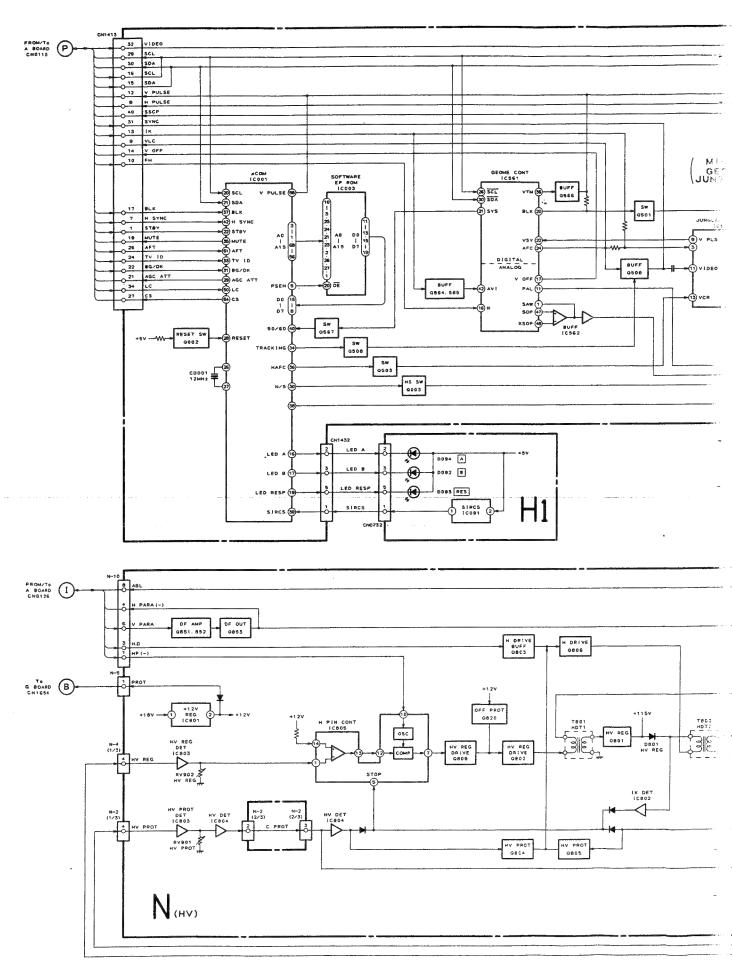


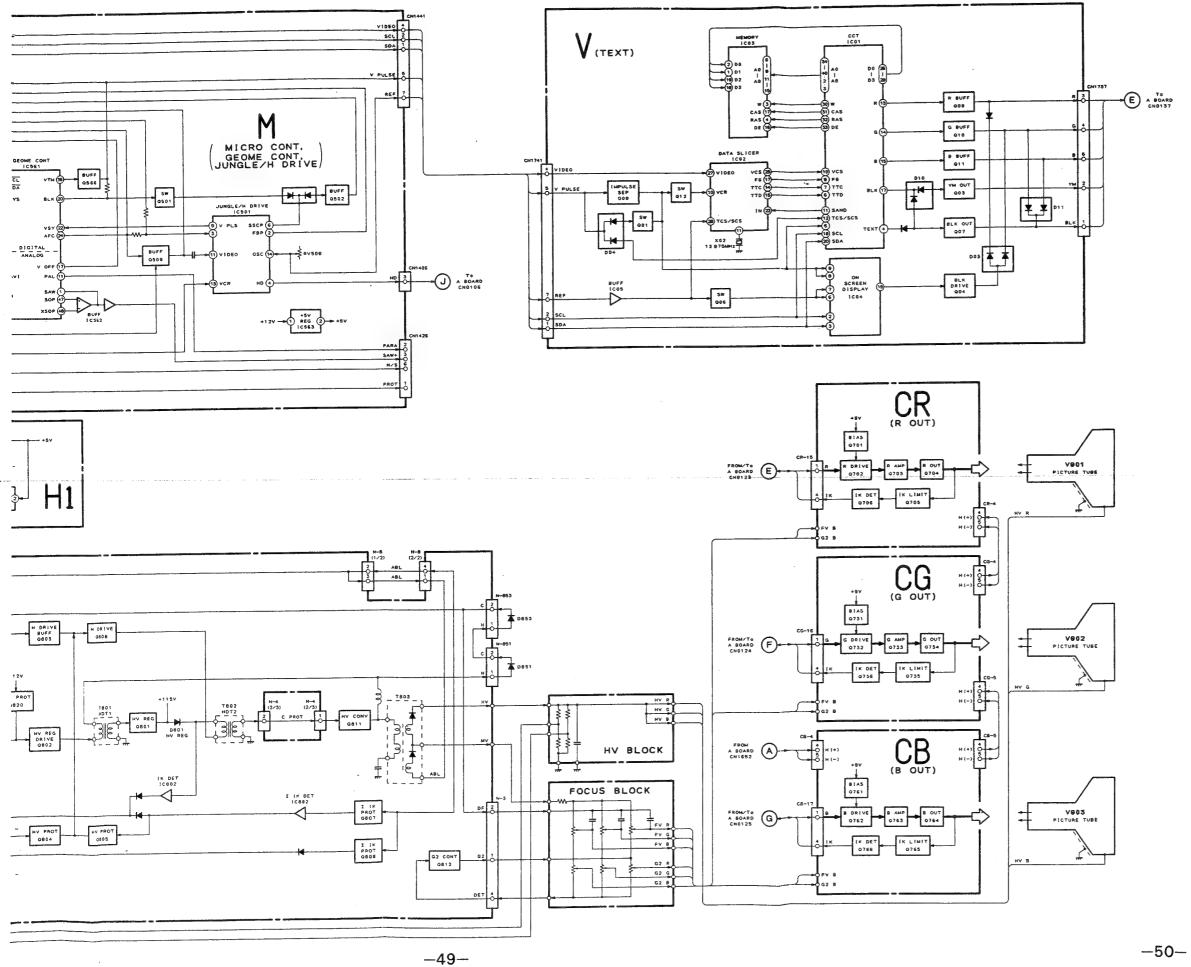








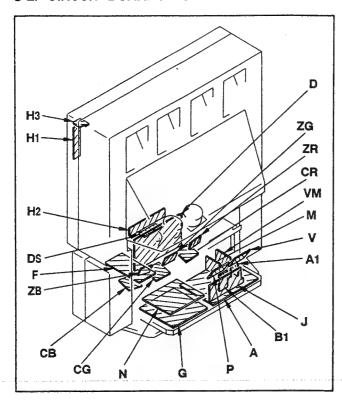




D

Н

5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
- $k\Omega = 1000 \Omega$, $M\Omega = 1000 K\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power 1/4 W

- nonflammable resistor.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- · Reading are taken with a color-bar signal input.

no mark: PAL

- (): SECAM
- < >: NTSC 3.58
-): NTSC 4.43
- Readings are taken with a $10M\Omega$ digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * : Can not be measured.
- Circled numbers are waveform references.

• : B+ bus.

- === : B bus.
- signal path.

Reference information

RESISTOR : RN METAL FILM
: RC SOLID
: FPRD NONFLAMMABLE CARBON
: FUSE NONFLAMMABLE FUSIBLE
: RS NONFLAMMABLE METAL OXIDE
: RB NONFLAMMABLE CEMENT

: RW NONFLAMMABLE WIREWOUND : * ADJUSTMENT RESISTOR

DIL : LF-8L MICRO INDUCTOR

CAPACITOR : TA TANTALUM

: PS STYROL

: PP POLYPROPYLENE
: PT MYLAR

: MPS METALIZED POLYESTER

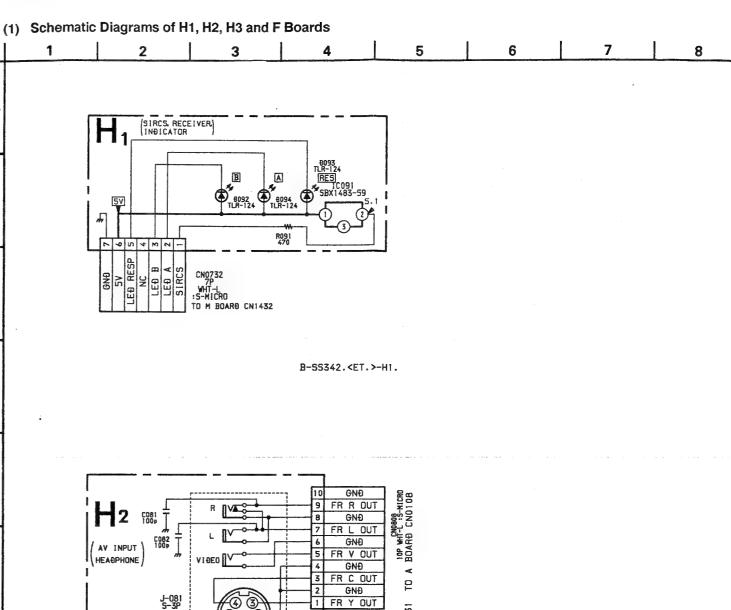
: MPP METALIZED POLYPROPYLENE

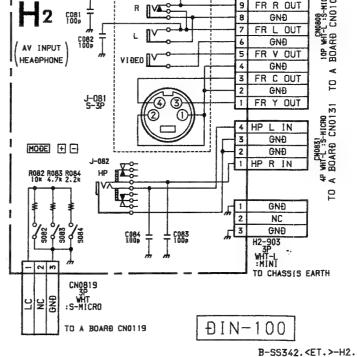
: ALB BIPOLAR

: ALT HIGH TEMPERATURE

: ALR HIGH RIPPLE

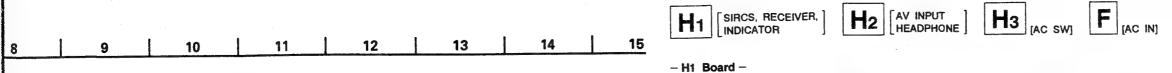
Note: The components identified by shading and mark <u>A</u> are critical for safety. Replace only with part number specified.

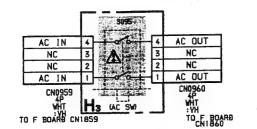




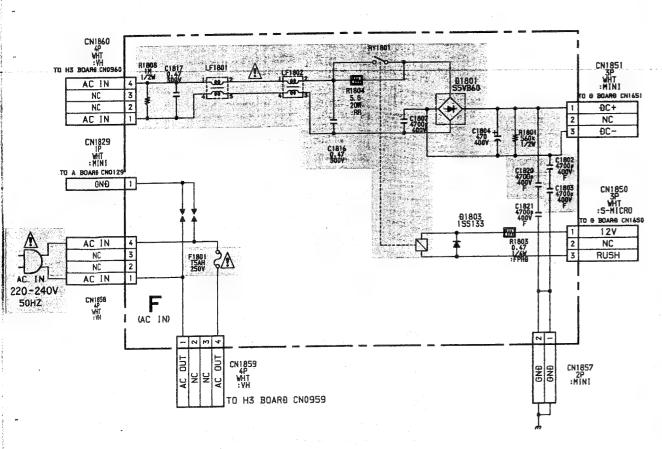


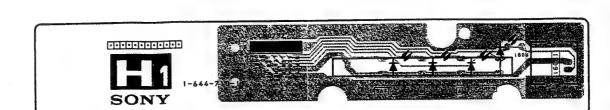
KP-S4 KP-S4613 RM-832



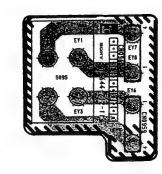


B-SS342.<ET.>-H3.

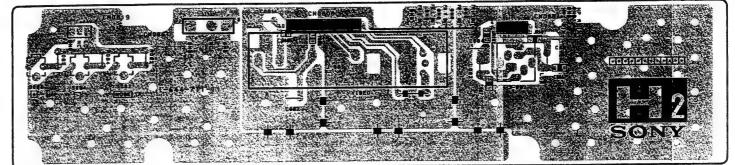




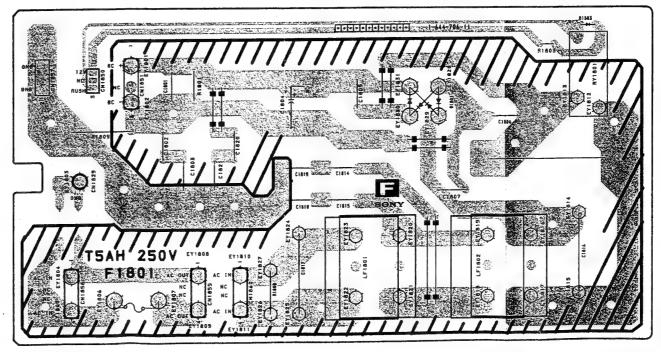
- H3 Board -

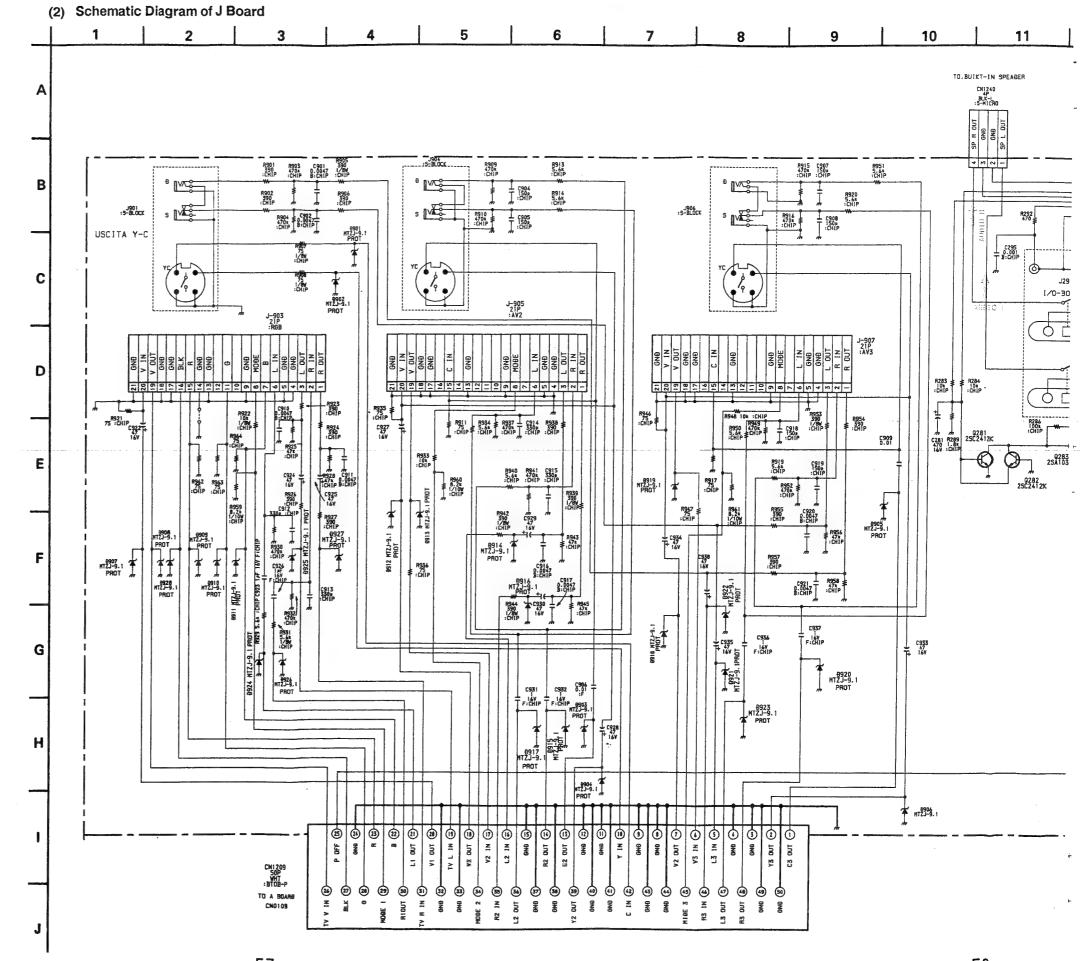


- H2 Board -



- F Board -





.5-B.3CK

RS18 5.64 CHIP

11: P038 \$

1941 C915 478 3309 3417 (DAIP

9

R915 C907 4701 150s :D1F :D1P

R955 C920 530 8,555.7 531 8,555.7

1921 R958

F: DIP

8957 390 Ch P

8 9421 H1ZJ 9, IPROT R951 5.6* :CHIP

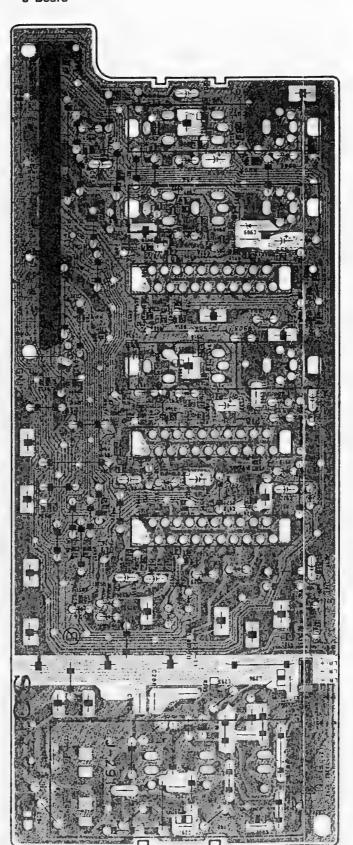
R920 5.60 :CHIP 10

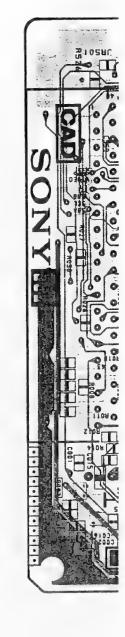


MICRO CONTROLLER,
GEOMETRIC CONTROLLER,
JUNGLE, H-DRIVE

- J Board -

- M Board (Con-





: Pattern from the side which enables seeing, : Pattern of the rear side.

-58-

₩ #12,-9.1

12

13

CN1233

R288 5.6m 1/8W :DH1P

1.291 FXC 38

(AUDIO INVOUT)

1/0-BOARE

0 1

0283 1 25A1037K #

11

TO BUIKT-IN SPEAGER

CH1240
40
BLK-L
:5-#1CRO

0.001 B:CHIP

CZ81 R289 470 1.81 169 :CHIP

2909

9905 N173-9.1 PRGT

#177-9.

9A0 (3)

9A0 (4)

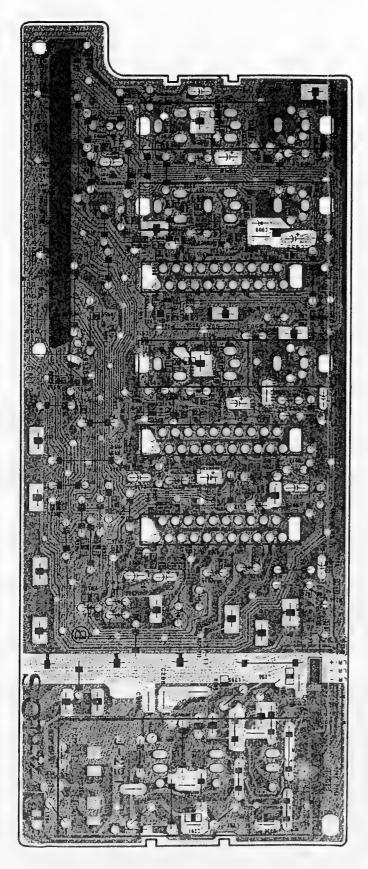
9A0

J [AUDIO IN/OUT]

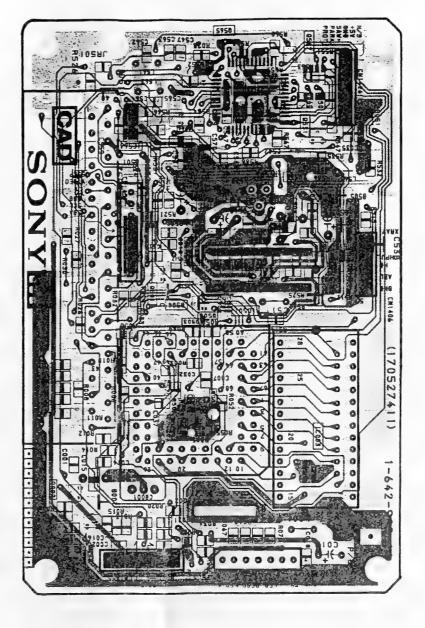
M

MICRO CONTROLLER, GEOMETRIC CONTROLLER, JUNGLE, H-DRIVE

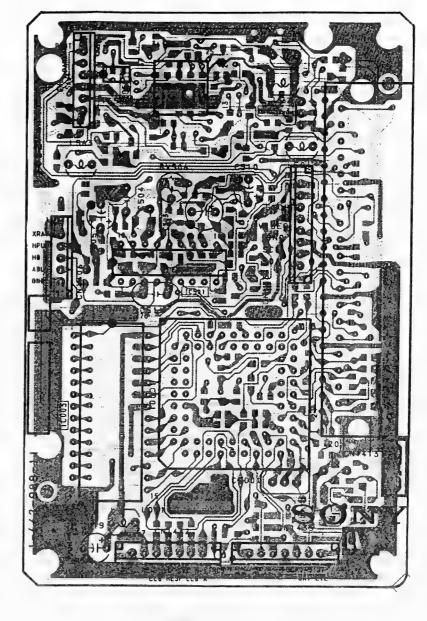
- J Board -



- M Board (Conductor Side) -

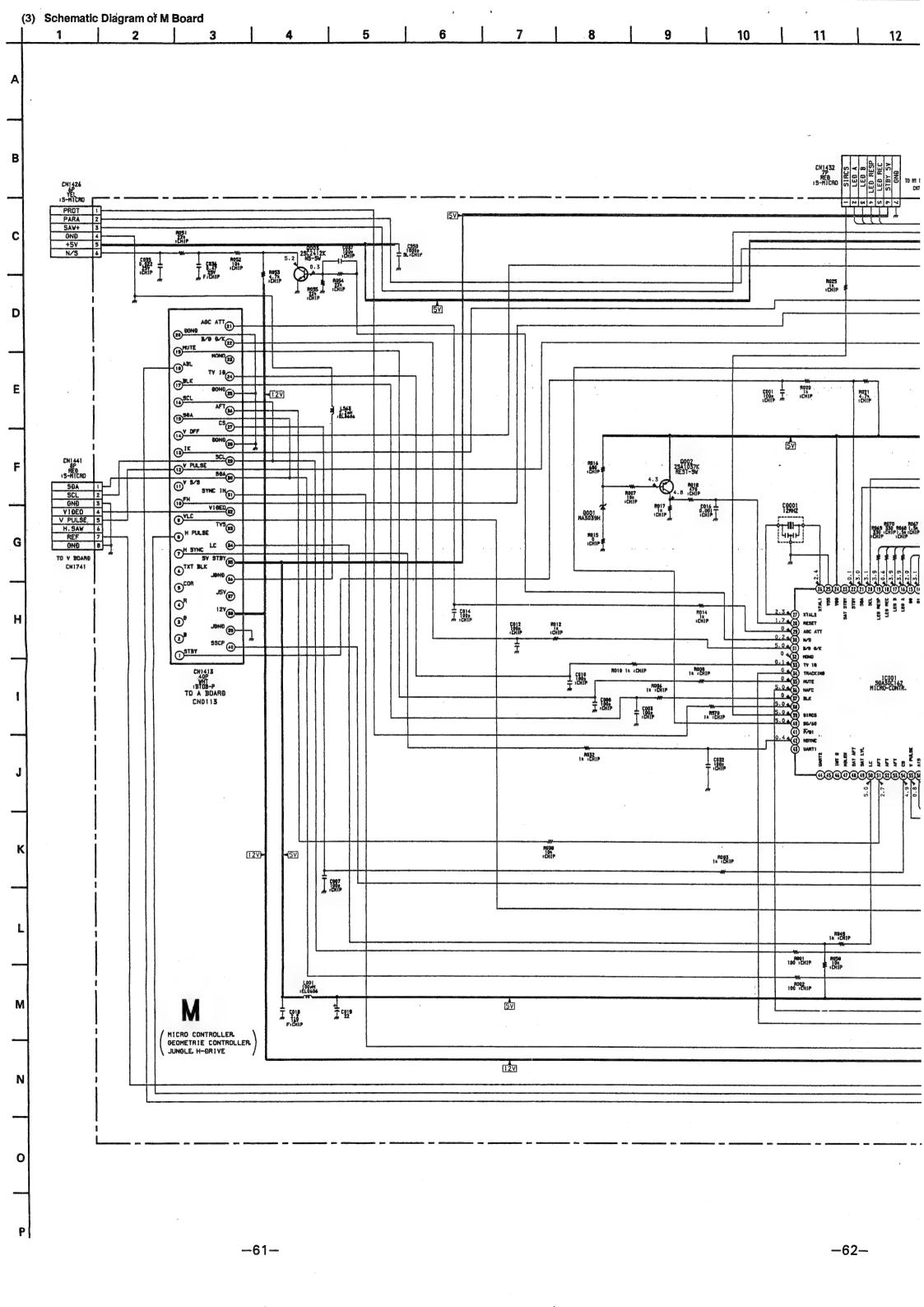


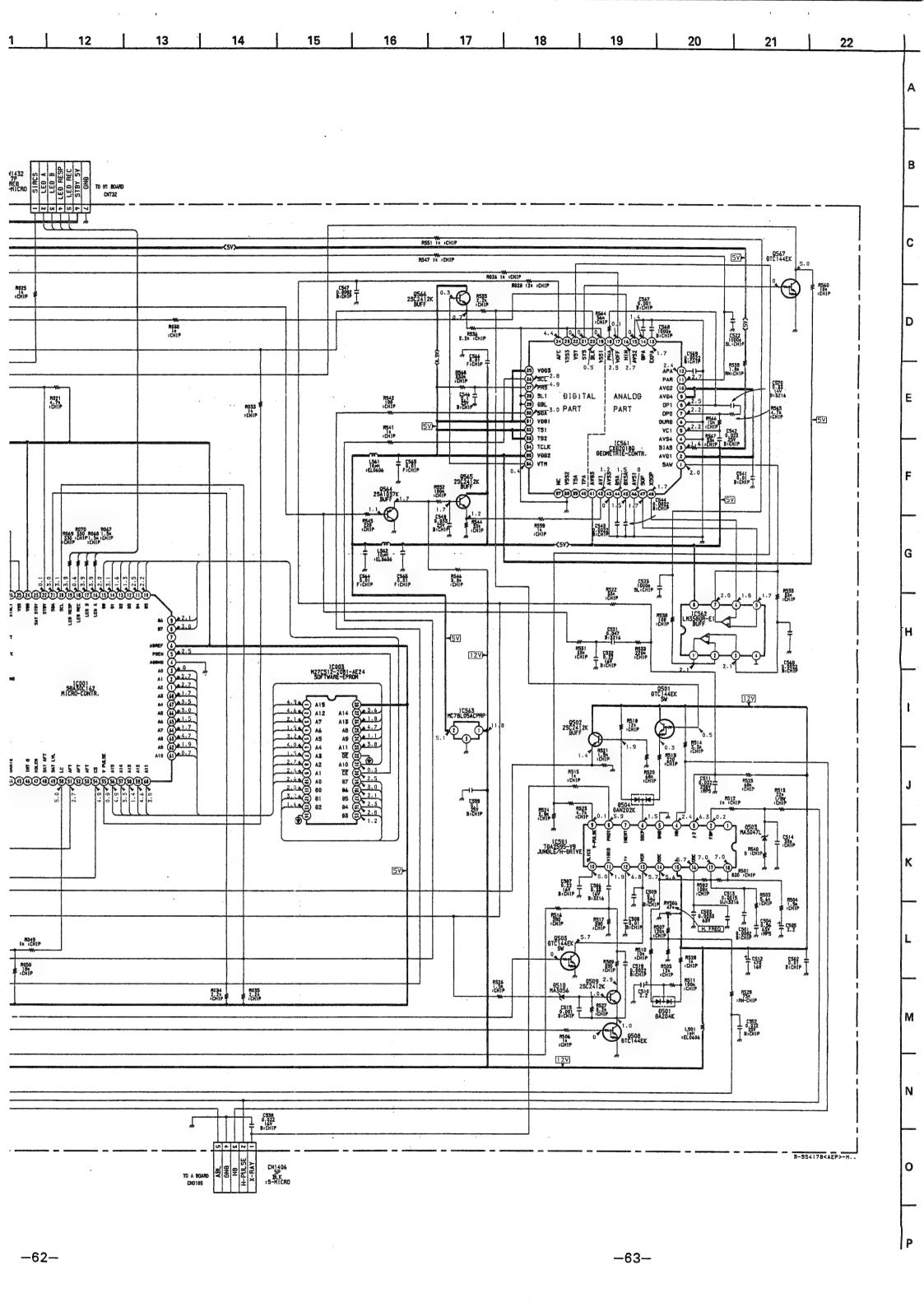
- M Board (Component Side) -



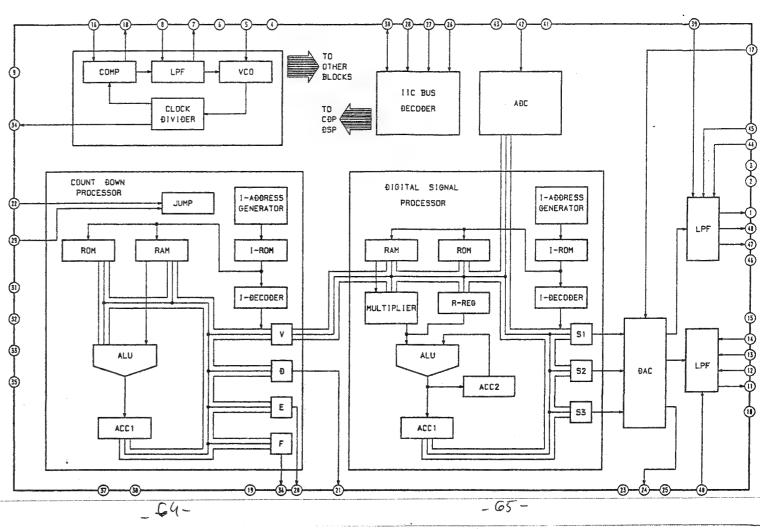
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

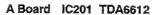
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

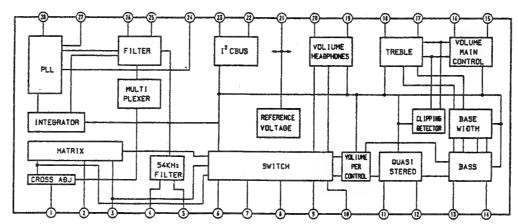




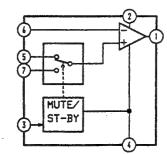
M Board IC561 CXD2018Q



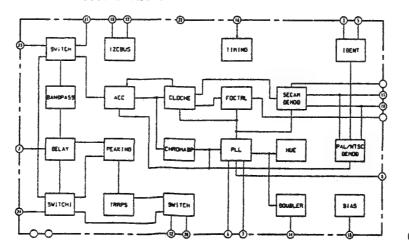




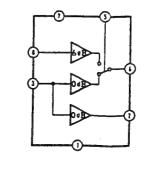
A Board IC251/261 TDA2052



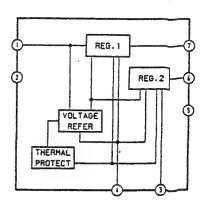
A Board IC301 TDA9145



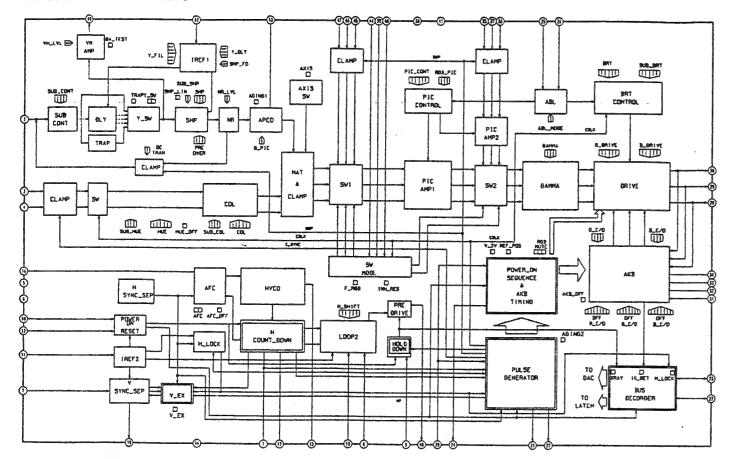
A Board IC402 TEA2114



A Board IC681 TDA8138A

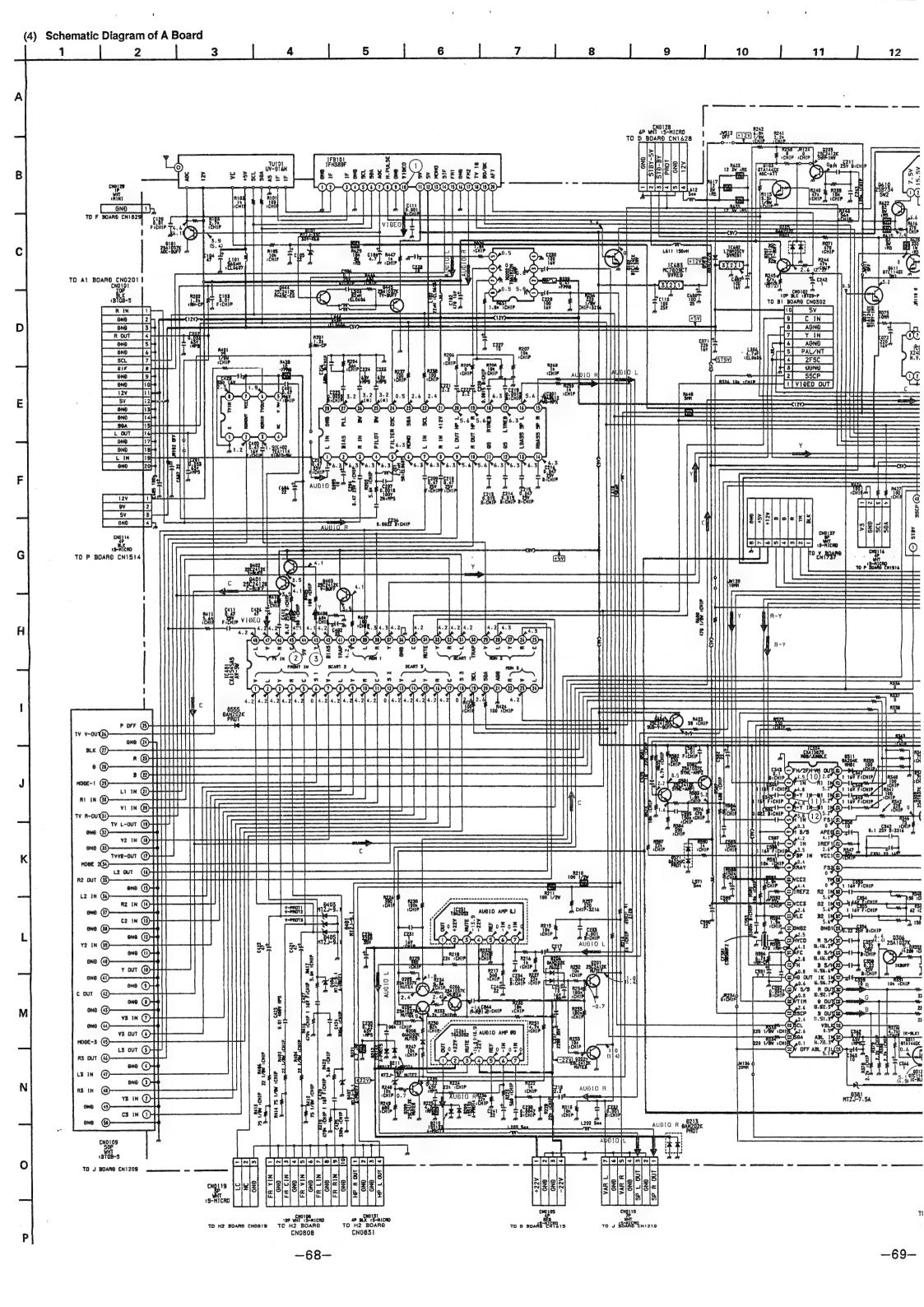


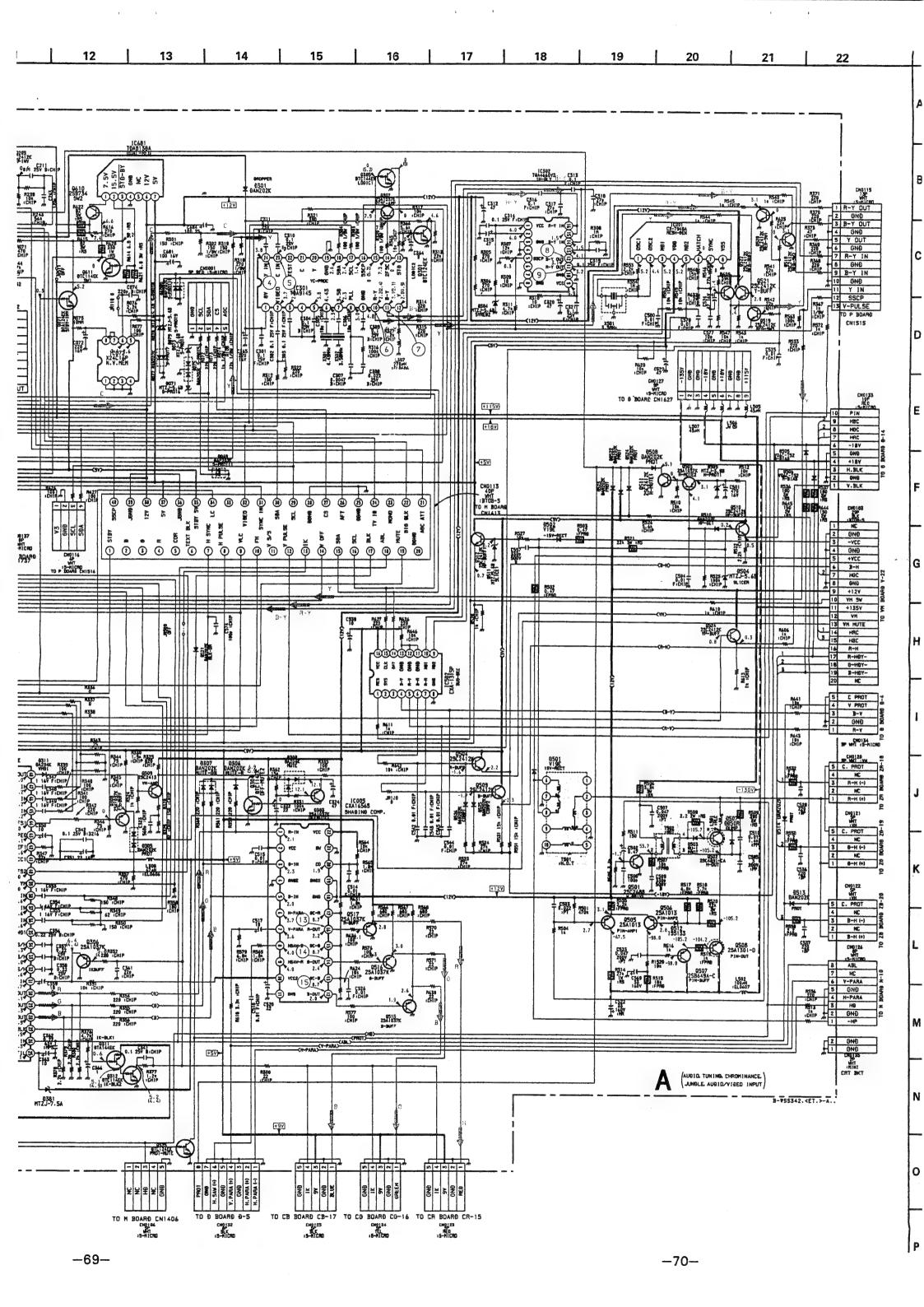
A Board IC304 CXA1587S



A BOARD WAVEFORMS

1 PAL/SECAM	2 PAL	2 SECAM	3 PAL/SECAM
			Dynner Jr
1.1Vp-p (H)	1.3Vp-p (H)	0.4Vp-p (H)	1.8Vp-p (H)
4 PAL/SECAM	5 PAL	5 SECAM	6 PAL
Derry La			17-17-17-
1.3Vp-p (H)	0.6Vp-p (H)	2.2Vp-p (H)	0.7Vp-p (H)
6 SECAM	7 PAL	7 SECAM	8 PAL/SECAM
11-11-11-	-MM-MM-MM-		
1.2Vp-p (H)	0.8Vp-p (H)	1.6Vp-p (H)	1.6Vp-p (H)
9 PAL/SECAM	10 PAL/SECAM	11 PAL/SECAM	12) PAL/SECAM
21-11-11-	John John John John John John John John	-1011-1011-1011-1011-1011-1011-1011-10	11-11-11-
1.3Vp-p (H)	0.4Vp-p (H)	1.6Vp-p (H)	1.2Vp-p (H)
13 PAL/SECAM	14) PAL/SECAM	15 PAL/SECAM	
		rmmli	
3.0Vp-p (H)	3.0Vp-p (H)	3.0Vp-p (H)	





AUDIO, TUNING, CHROMINANCE, JUNGLE, AUDIO/VIDEO INPUT

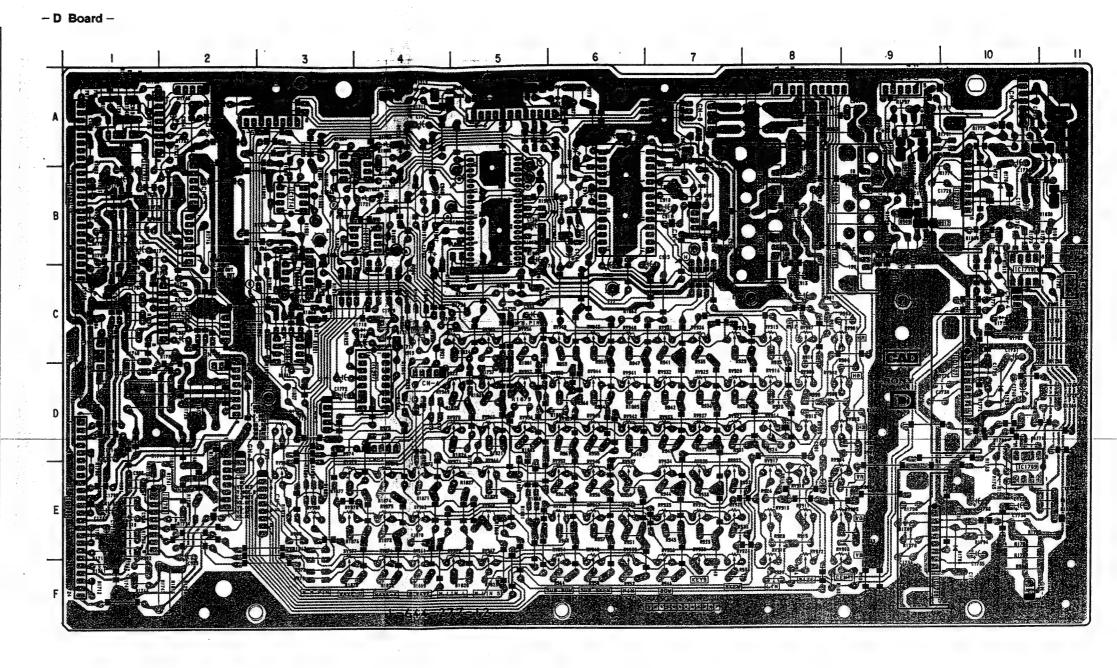
A Board	- A Board -	
IC Q402 F-6 D207 B-2 Q403 F-6 D208 B-2	2 3 4 5 6 7 8 9	0 10
ICO01		CH0121 CH0122
ICO72	A CONTRACTOR OF THE PARTY OF TH	ET41 ©
IC251 A - 3 Q503 B - 6 D301 G - 6 IC261 B - 1 Q504 D - 4 D304 G - 8		157 (6) EY339 3-11 (e)
IC301 G - 7 Q505 C - 9 D305 F - 7 IC302 G - 8 Q506 C - 9 D306 G - 9		
C304		
IC402		
IC682		Sale Exal
TRANSISTOR Q518 F - 10 D501 C - 7		
Q071 B-5 Q519 E-10 D502 C-7 Q520 F-10 D503 C-9	c c	8150 BISS
Q102 G - 1 Q521 E - 10 D504 C - 7 Q522 E - 10 D505 A - 4		
Q201 C-2 Q525 E-9 D507 B-8 Q202 C-2 Q525 E-7 D508 B-6		1815 ISS
Q204 B-2 Q610 A-4 D510 B-7		2 1 00T
Q205 B-2 Q206 B-2 Q207 F-1 DIODE D513 A-7		
Q209 B-2 Q301 G-8 D068 B-4 D518 C-5		
Q302 G-7 D069 F-2 D521 B-5 D071 G-2 D522 C-5		
Q305 G-7 D075 G-2 D524 B-5 Q306 F-9 D077 C-4 D525 C-4		
Q308 F-8 D078 C-4 D526 D-4 D555 E-6		
Q311 E-9 Q312 E-9 Q401 F-6 D205 F-2 D206 B-2 D571 E-8		
D206 B-2		
		3
		10 1

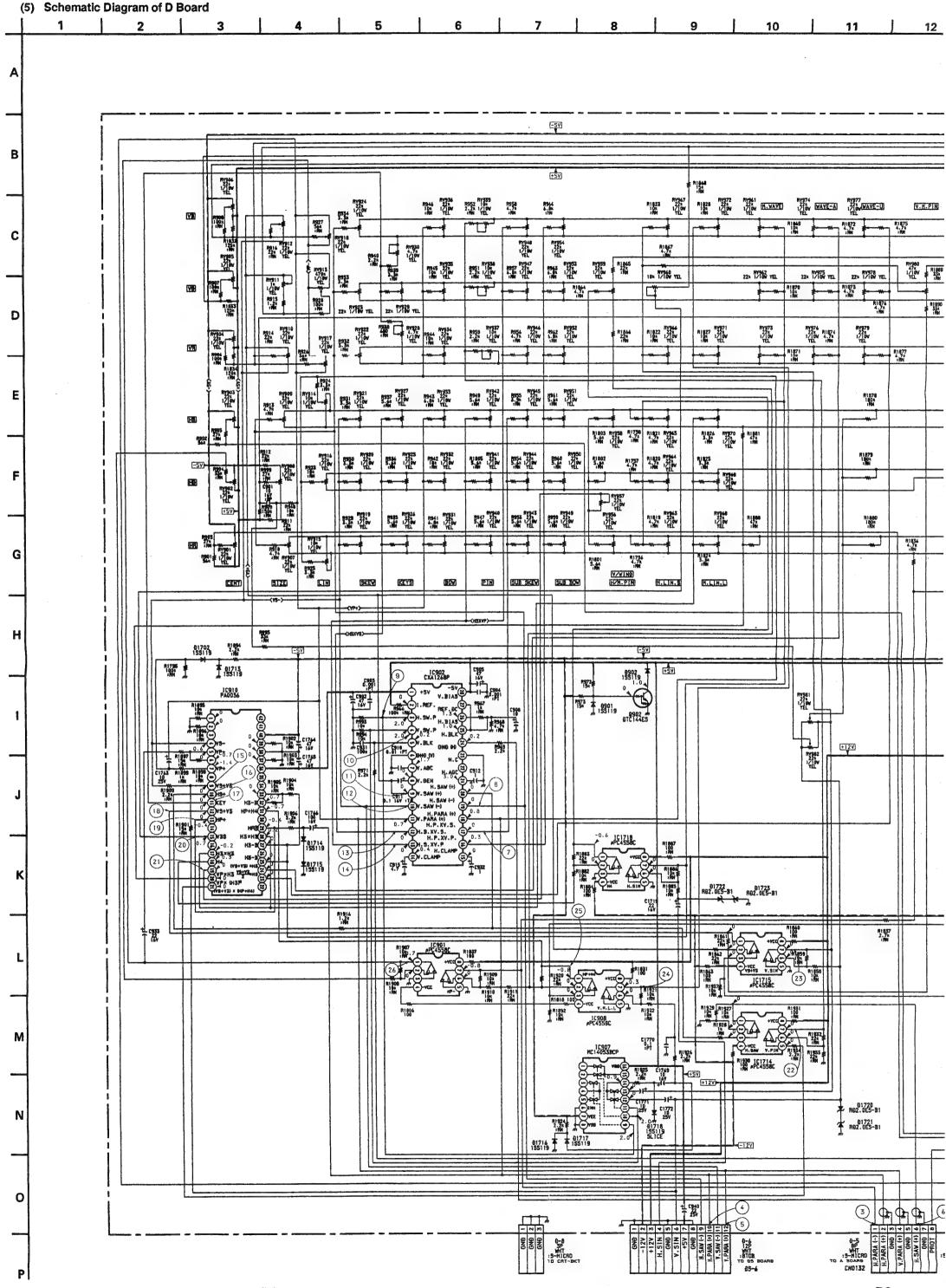
Pattern from the side which enables se eing.
Pattern of the rear side.

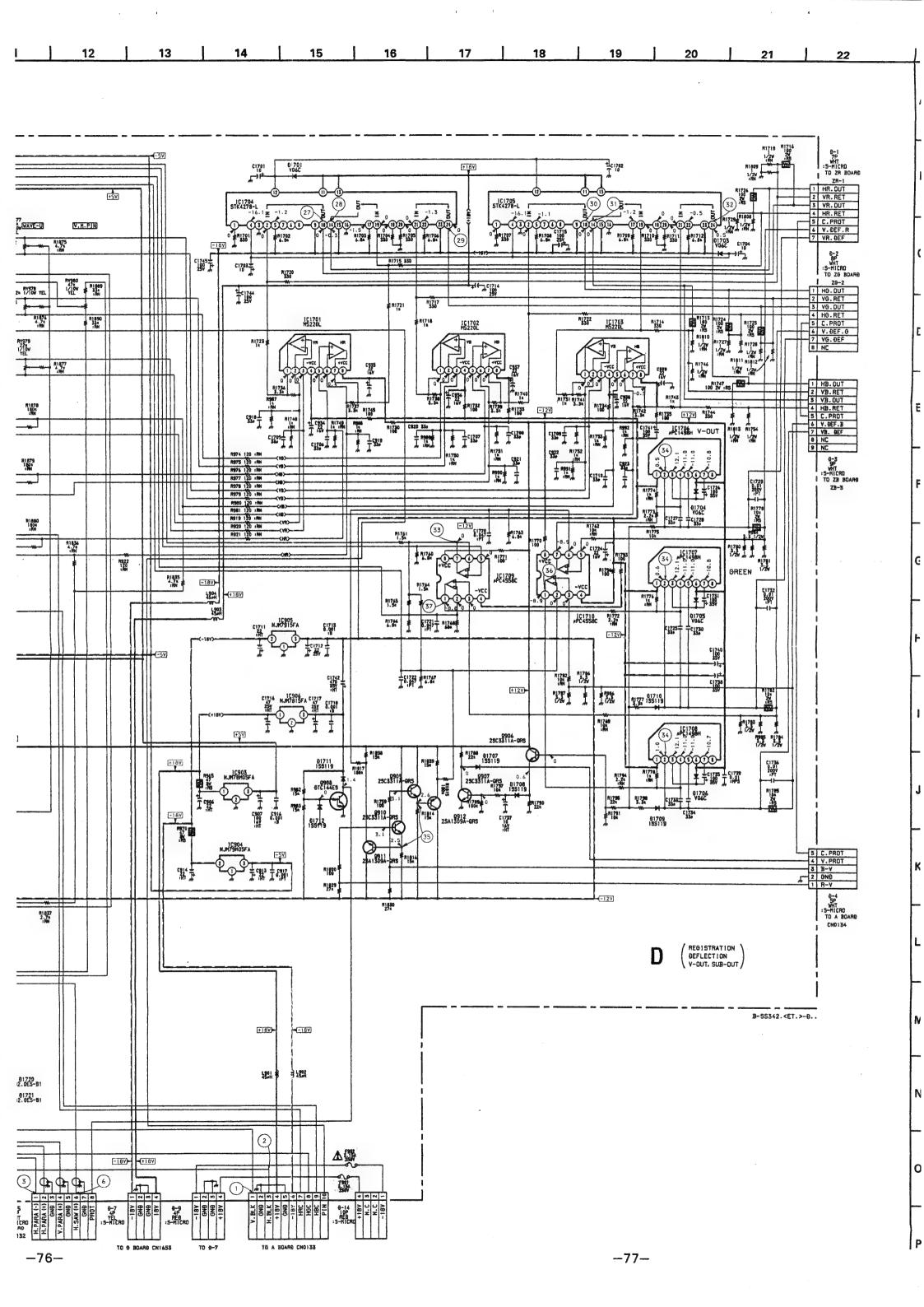
REGISTRATION DEFLECTION V-OUT, SUB-OUT

D Board

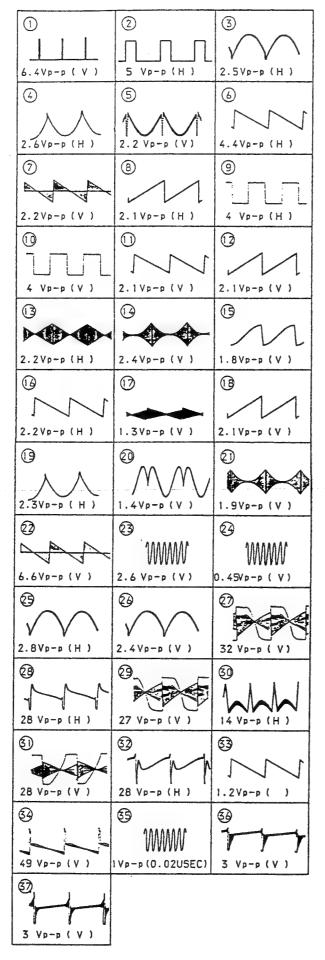
	1	С	TRAN	SISTOR	RV938 RV939	E – 6 F – 6
	IC901	C-3	Q902	A-5	RV940	C-6
	IC902	B-6	Q906	A-9	RV941	D-6
	IC903	B-8	Q907	A-9	RV942	D-6
	IC904	B-8	0908	A-4	RV943	C-6
	IC905	B-9	Q909	B-9	RV944	D-6
	IC906	B-9	Q910	A – 11	RV945	D-6
	IC907	D-4	-0911	B - 11	RV946	E-6
	IC908	C-3	0912	B-9	RV947	E-6
	IC910	B-5			RV948	F-6
	IC1701	A - 1	\/A D	ADLE	RV949	C-6
	IC1702	C-2		ABLE	RV950	D-6
	IC1703	E-1	RESI	STOR	RV951	D-6
	IC1704	B - 1	RV901	C-9	RV952	E-6
	IC1705	E-1	RV902	D-9	RV953	E-6
	IC1706	B - 10	RV903	D-9	RV954	F-6
	IC1707	D - 10	RV904	E-9	RV956	C-5
	IC1708	E-9	RV905	E-9	RV957	D-5
	IC1709	E - 10	RV906	F-9	RV958	D-5
	IC1710	C - 10	RV907	C-8	RV959	C-4
	IC1714	B-3	RV908	D-8	RV960	E-5
	IC1715	B-4	RV909	D-8	RV961	F-4
	IC1718	A-4	RV910	E-8	RV962	E-4
			RV911	E-8	RV963	C-5
	DIC		RV912	F-8	RV964	D-5
	DIC	DDE	RV913	E-8	RV965	D-5
	D901	A-6	RV914	D-8	RV966	E-5
	D902	A-6	RV915	C-8	RV967	F-5
	D1701	B-1	RV916	D-8	RV968	C-5
	D1702	C-5	RV917	E-8	RV969	D-5
	D1703	C – 1	RV918	F-8	RV970	D-5
	D1704	B - 10	RV919	C-7	RV971	E-5
	D1705	D - 10	RV920	D-7	RV972	F-5
	D1706	E-10	RV921	D-7	RV973	E-4
	D1707	A-9	RV922	F-7	RV974	F-4
	D1708	A-9	RV923	F-7	RV975	E-4
	D1709	E-9	RV924	F-7	RV976	E-4
	D1710	C-10	RV925	D-7	RV977	F-3
	D1711	A-4	RV926	C-7	RV978	E-3
	D1712	A-4	RV927	D-7	RV979	E-3
	D1713	C-5	RV928	E-7	RV980	E-3
	D1714	B-6	RV929	E-7	RV981	E-3
	D1715	B-6	RV930	F-7	RV982	D-3
	D1716	C-4	RV931	C-7		
	D1717	C-4	RV932	D-7		
	D1718	C-4	RV933	D-7		
	D1720	B-4	RV934	E-7		
	D1721	B-4	RV935	E-7		
	D1722	A-4	RV936	F-7		
-	D1723	A - 4	RV937	E-6		
-				1		1

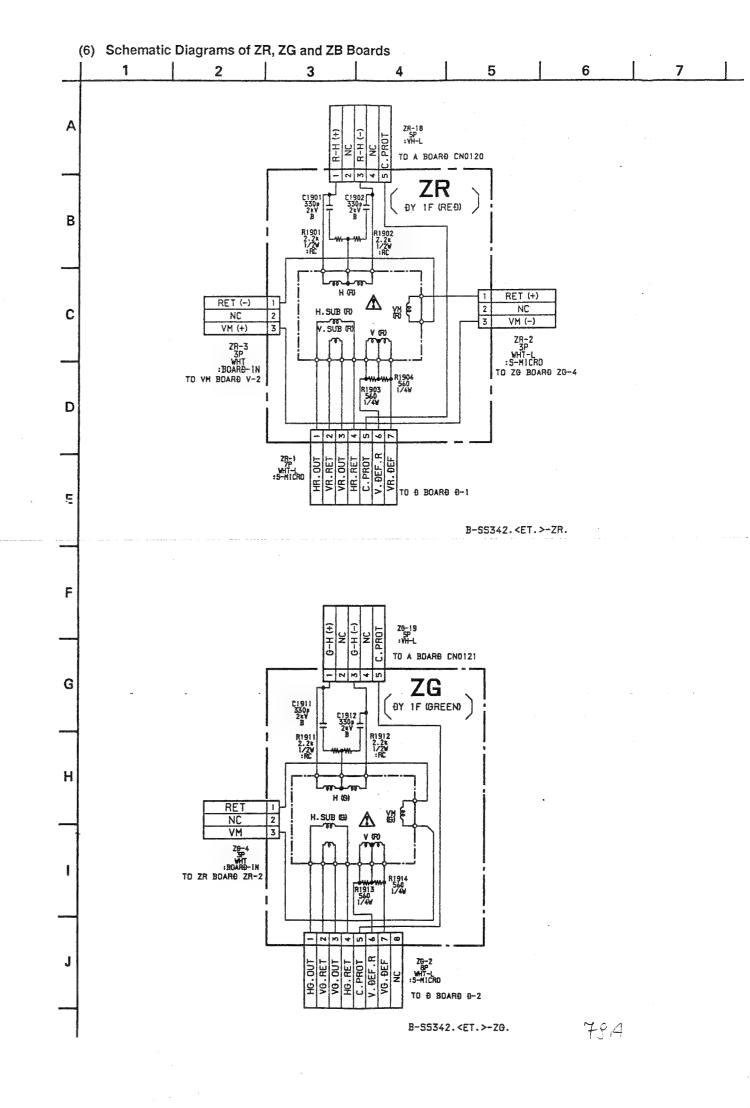


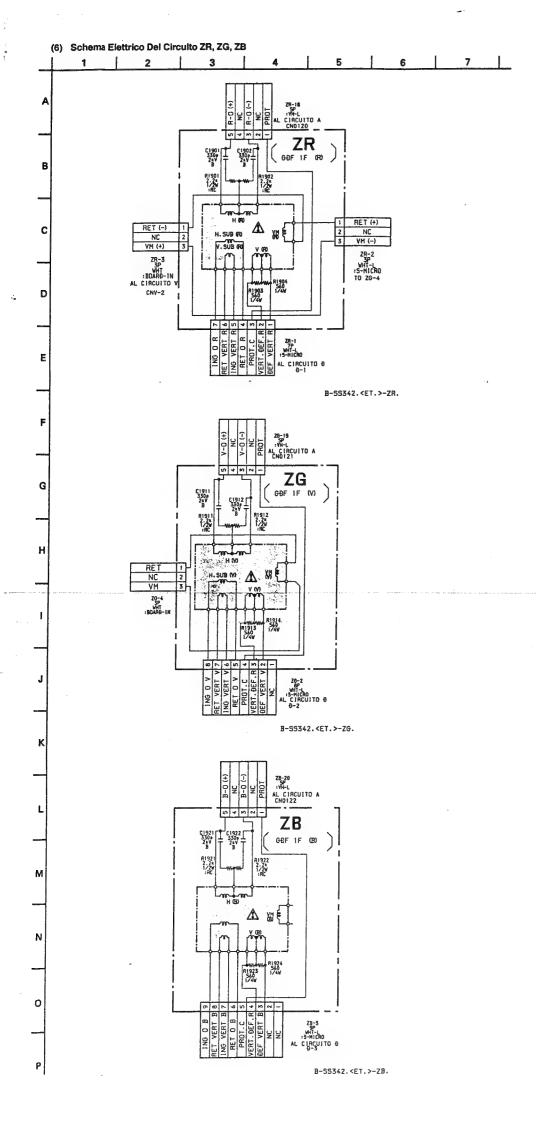


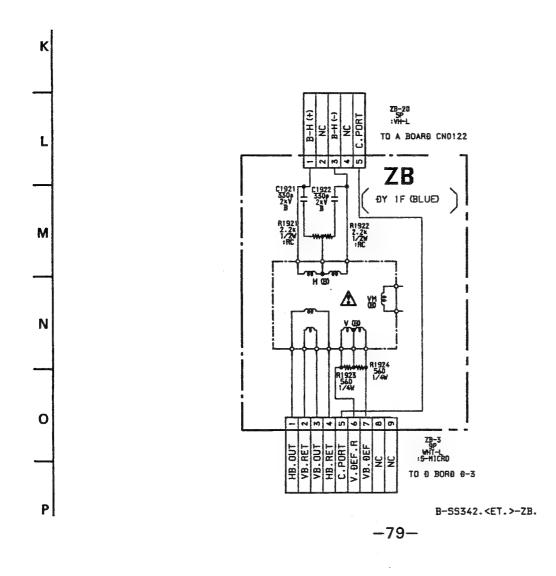


D BOARD WAVEFORMS

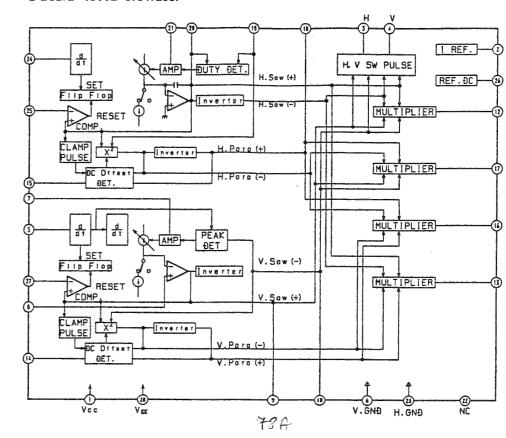




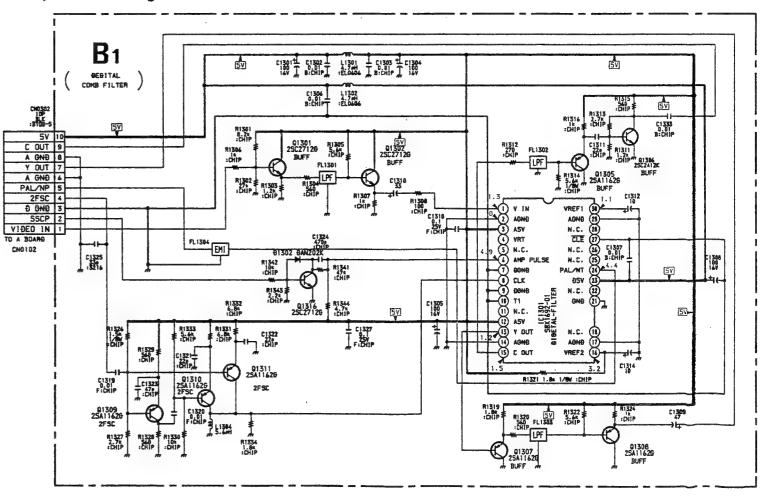




D Board IC902 CXA1268P

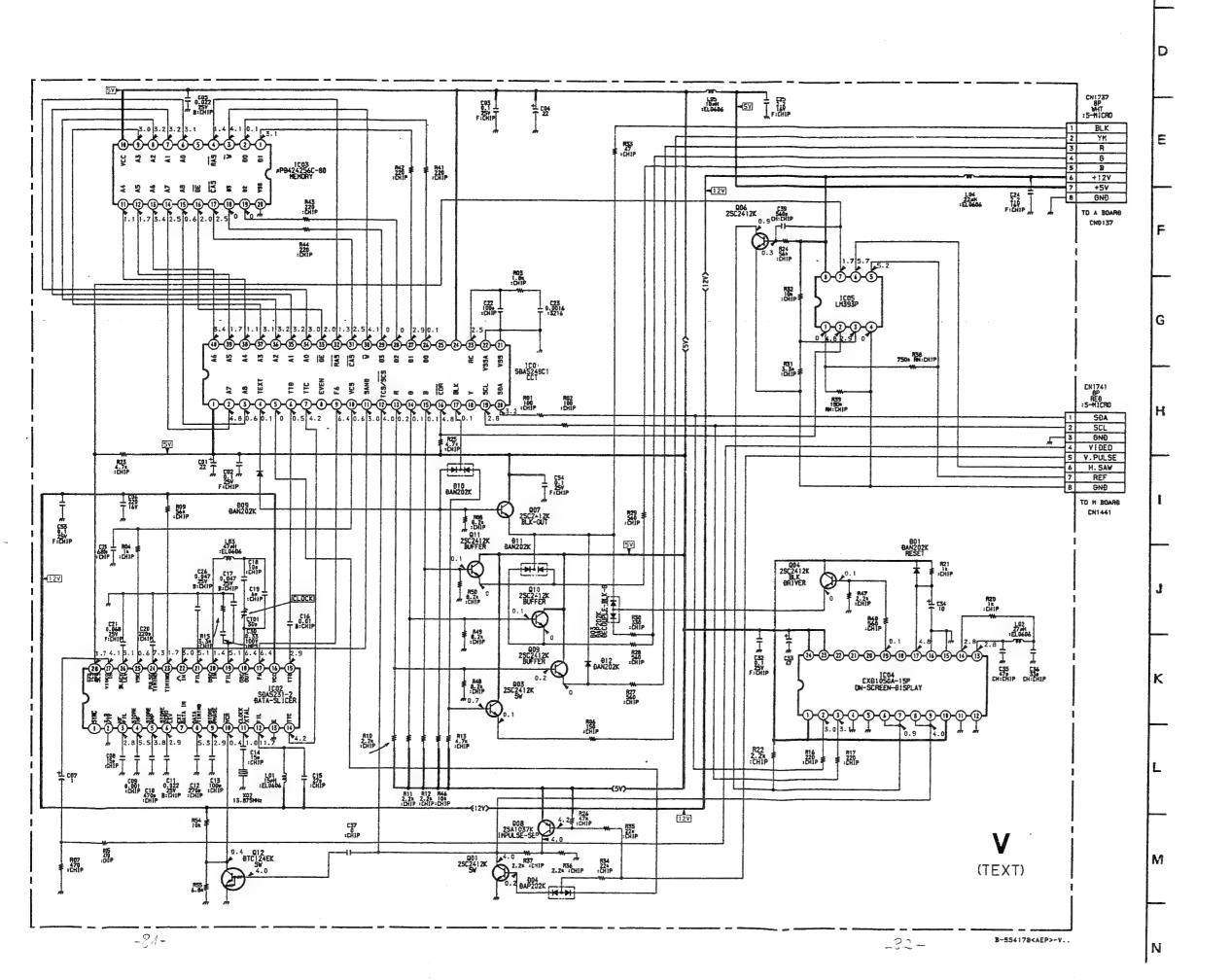


') Schematic Diagrams of B1 and V Boards



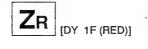
-80-

18-55342.<ET.>-B1.

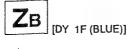




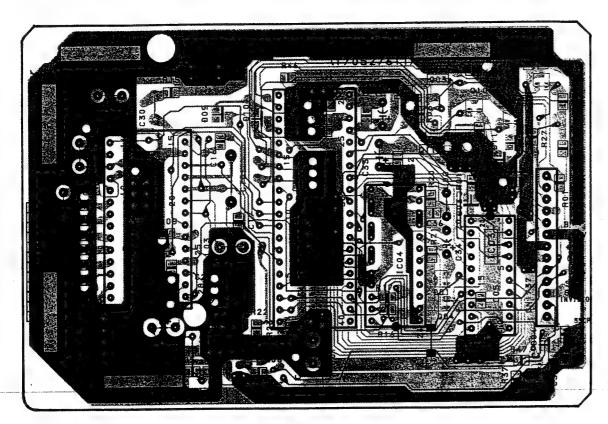




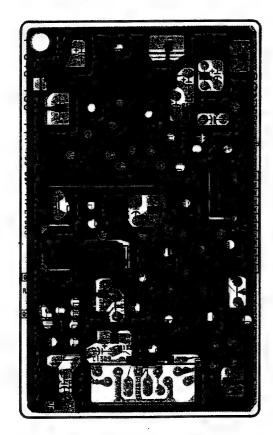




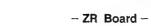
- V Board -

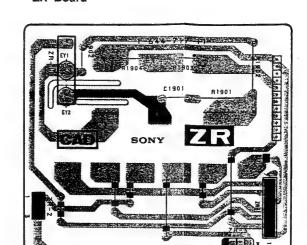


- B1 Board -

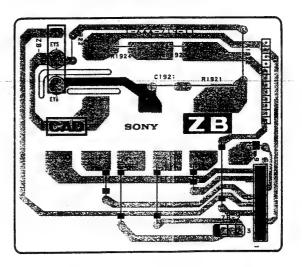


Pattern from the side which enables seeing.
 Pattern of the rear side.

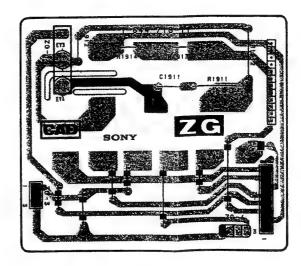


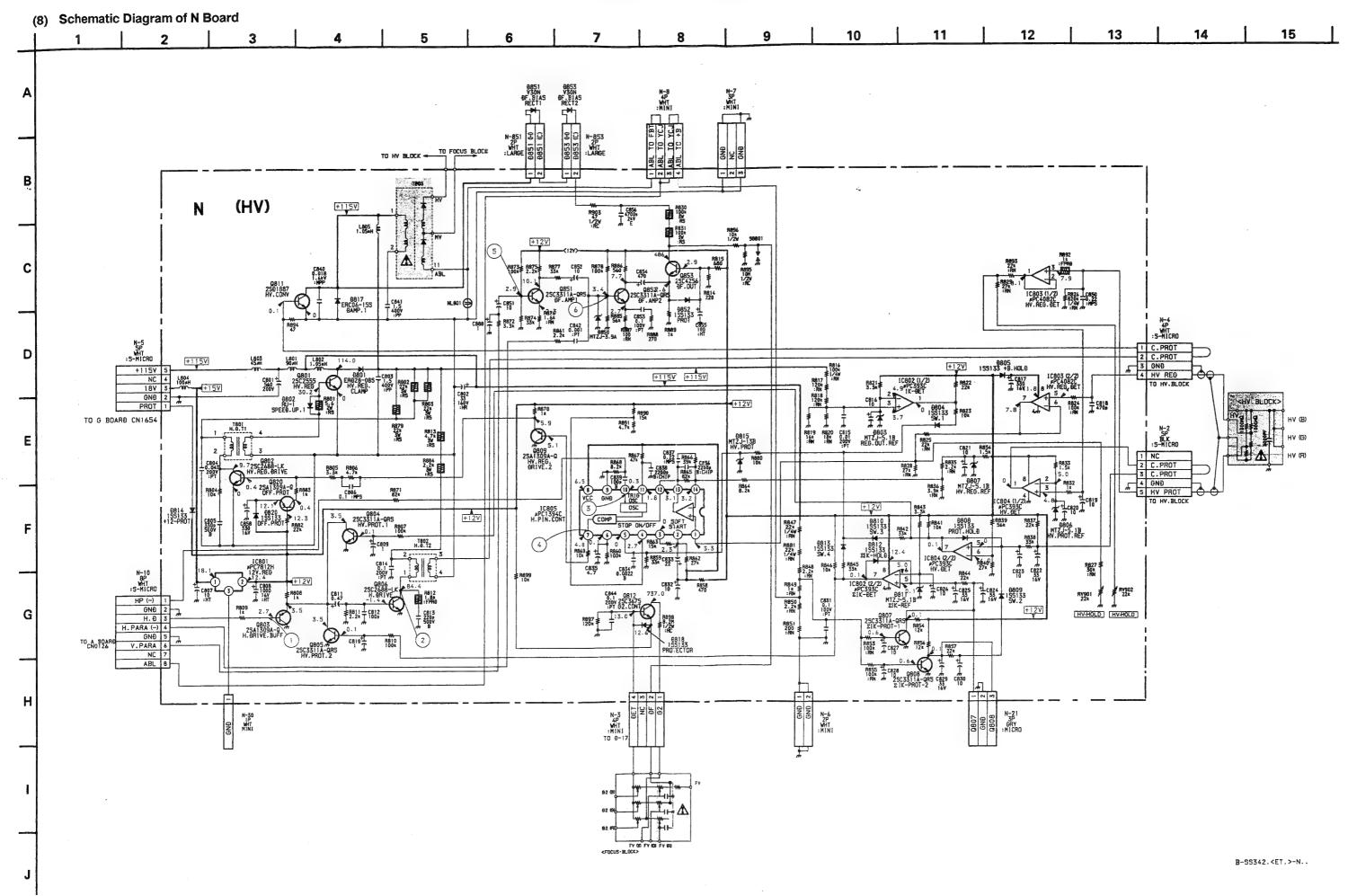


- ZG Board -



- ZB Board -

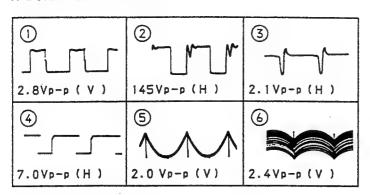




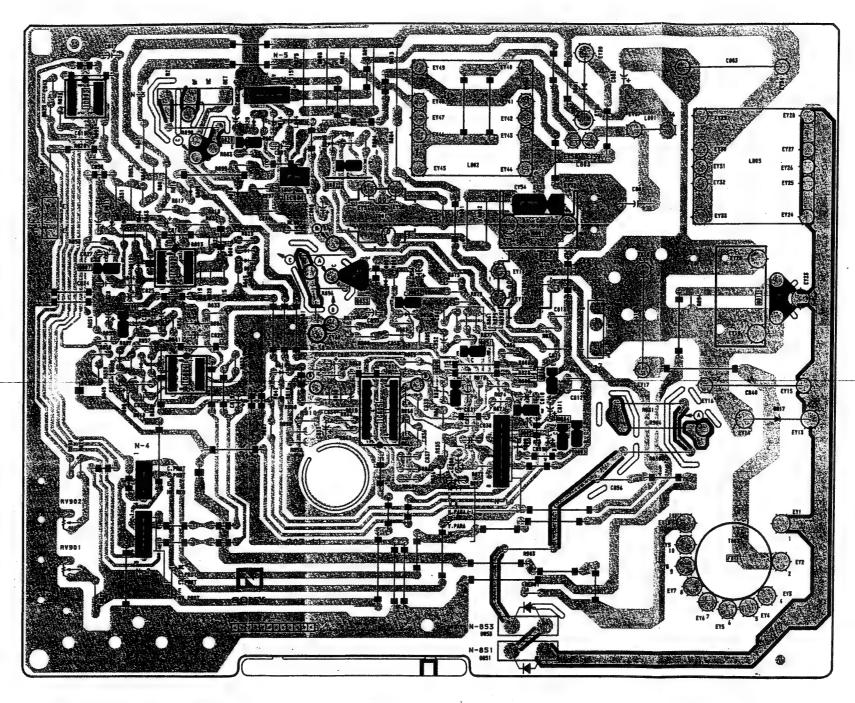
KP-S4613 RM-832 KP-S4613 RM-832

N [HV]

N BOARD WAVEFORMS



- N Board -

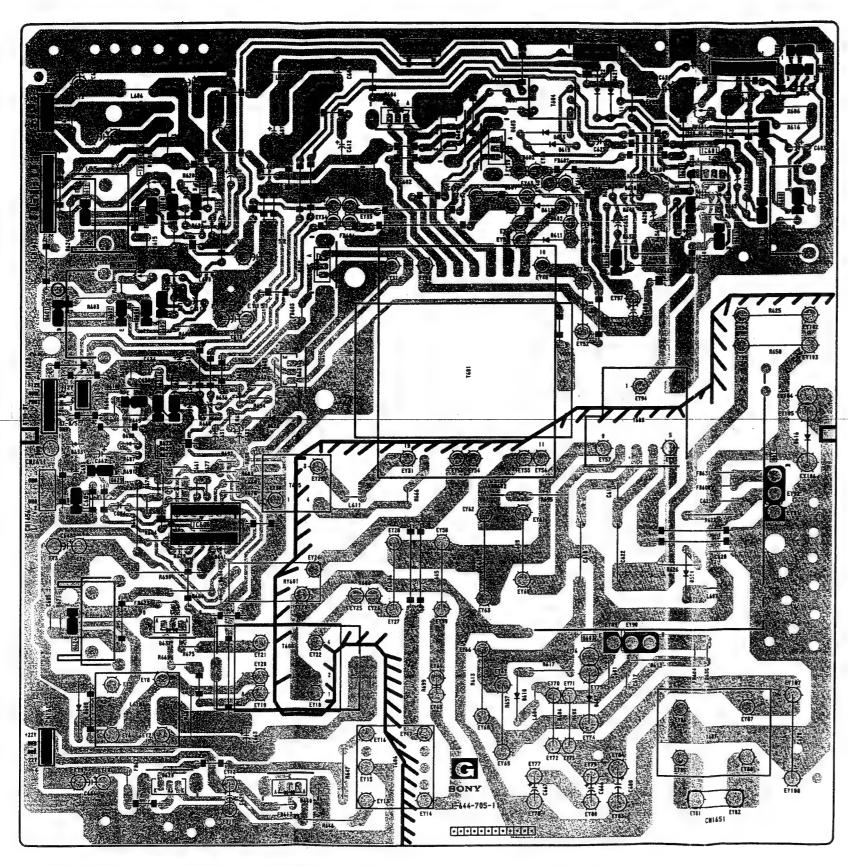


KP-S4613 RM-832 KP-S4613 RM-832

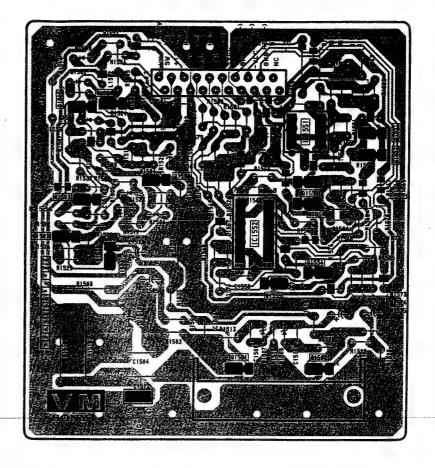
G [POWER SUPPLY]

VM [VM AMP] DS [SIN, WAVE, GEN]

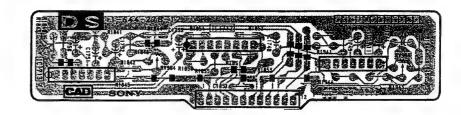
- G Board -

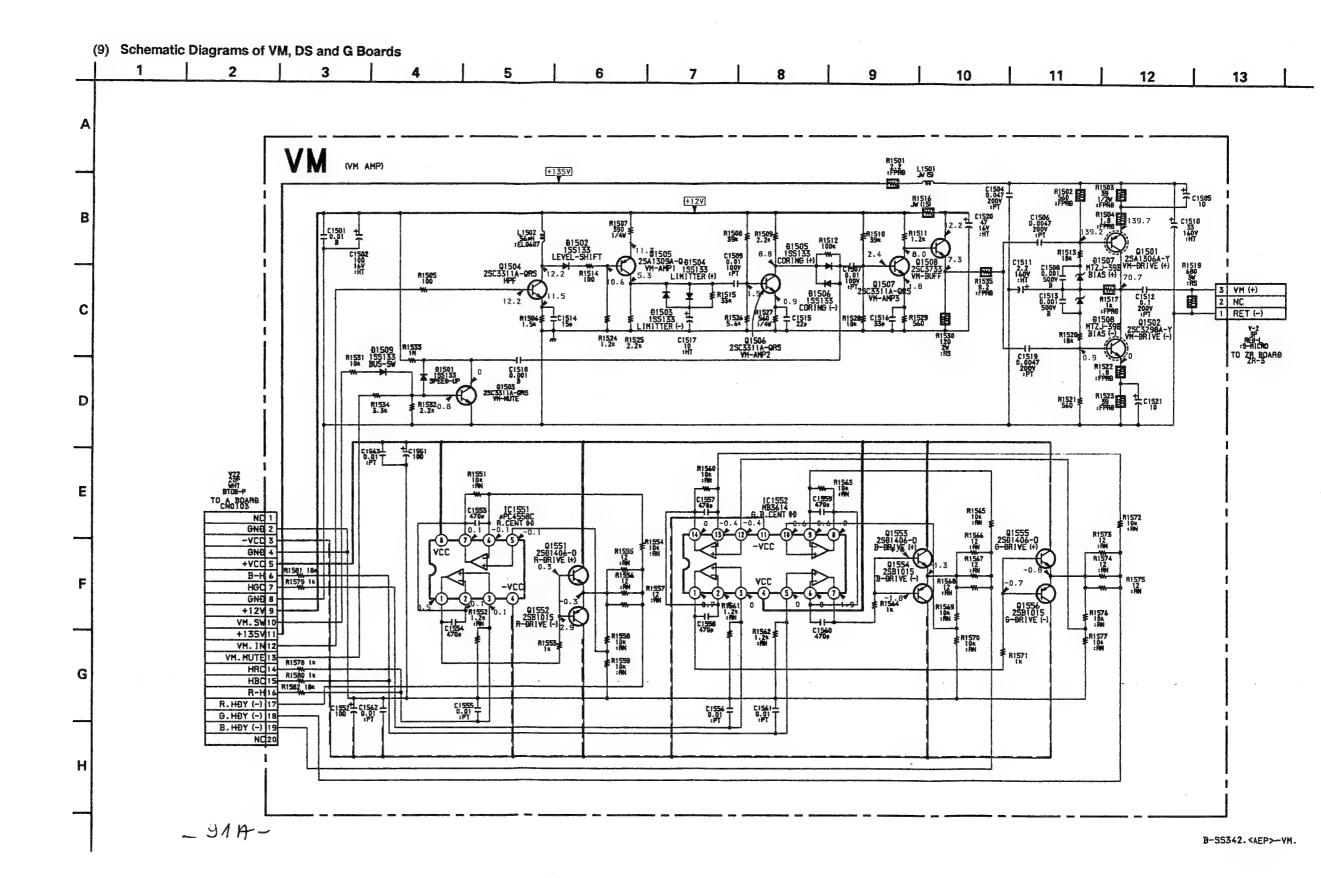






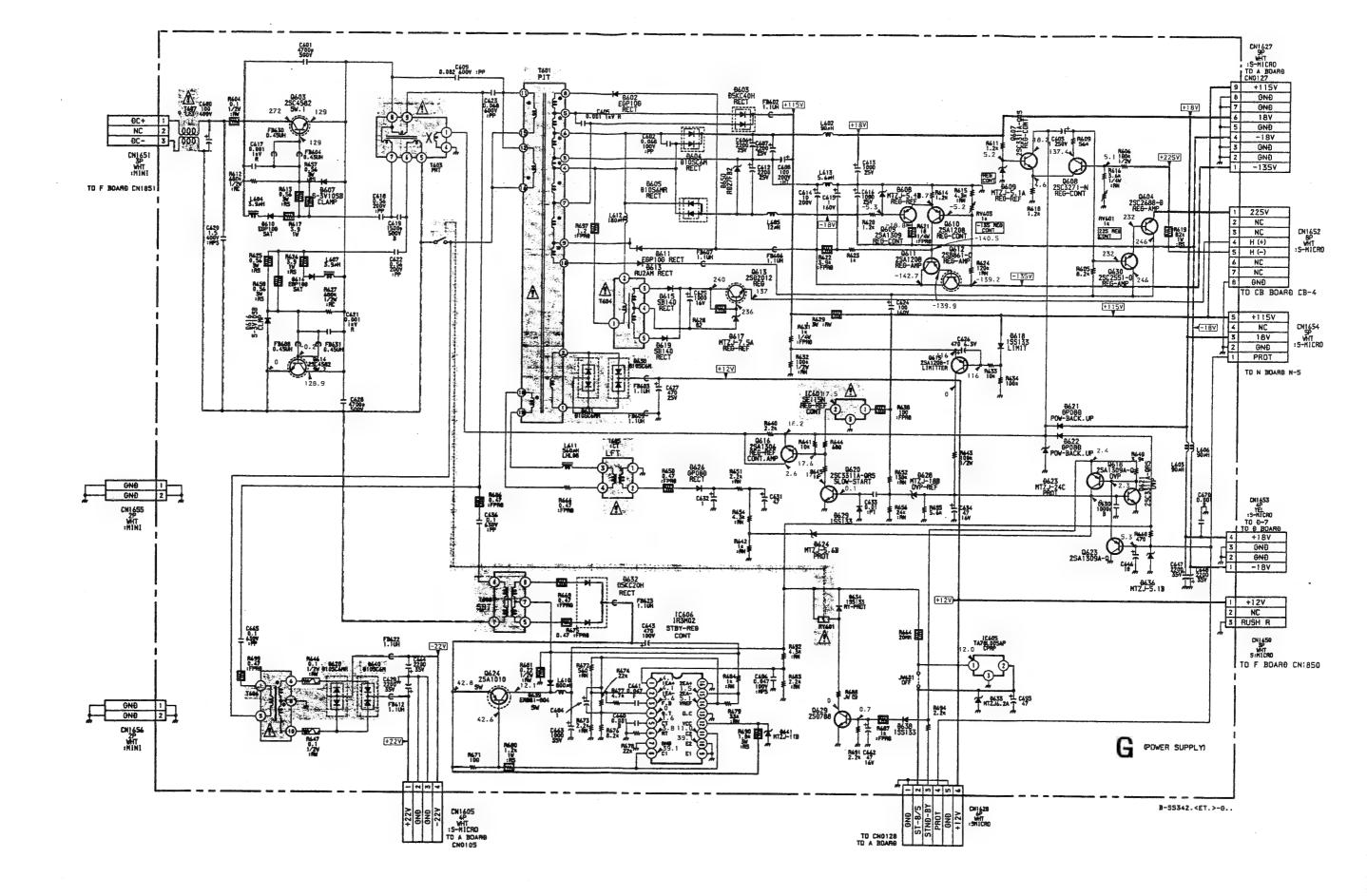
- DS Board -

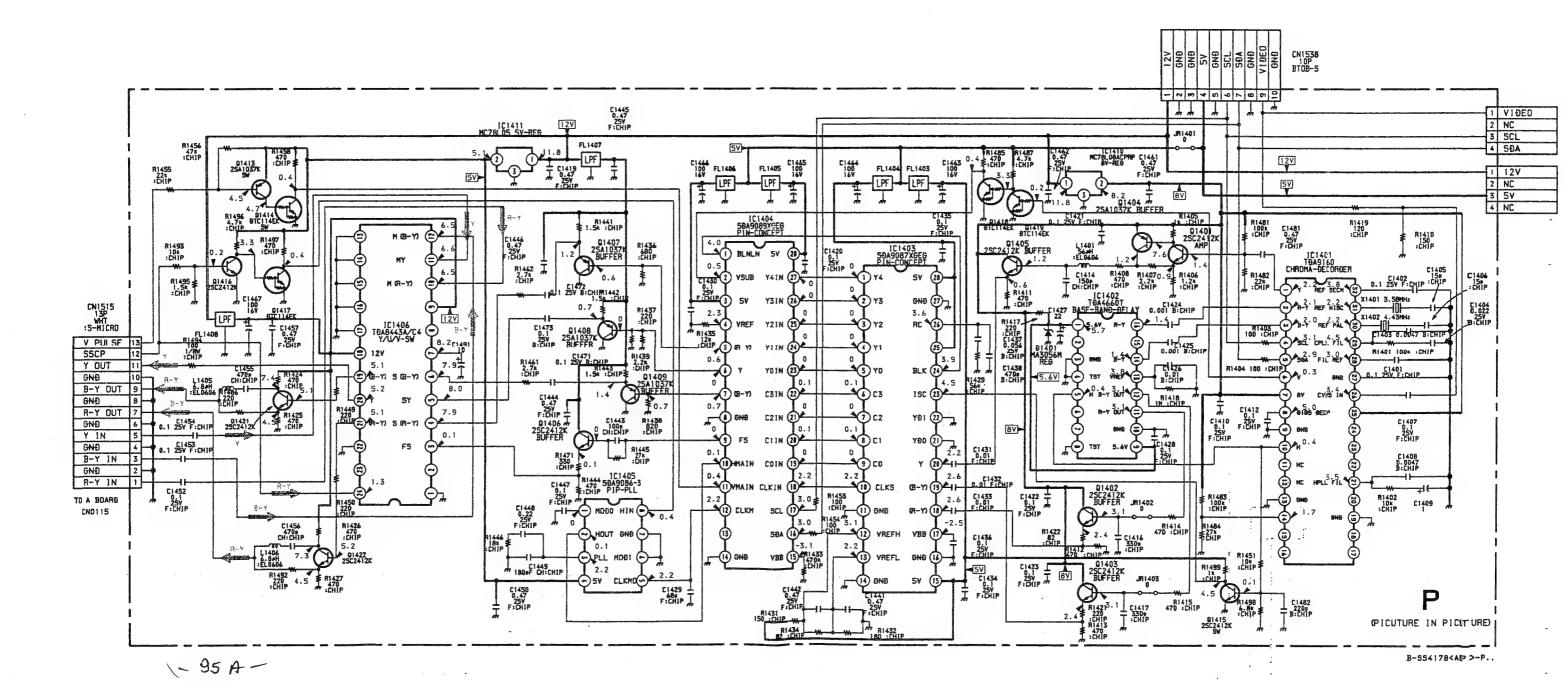


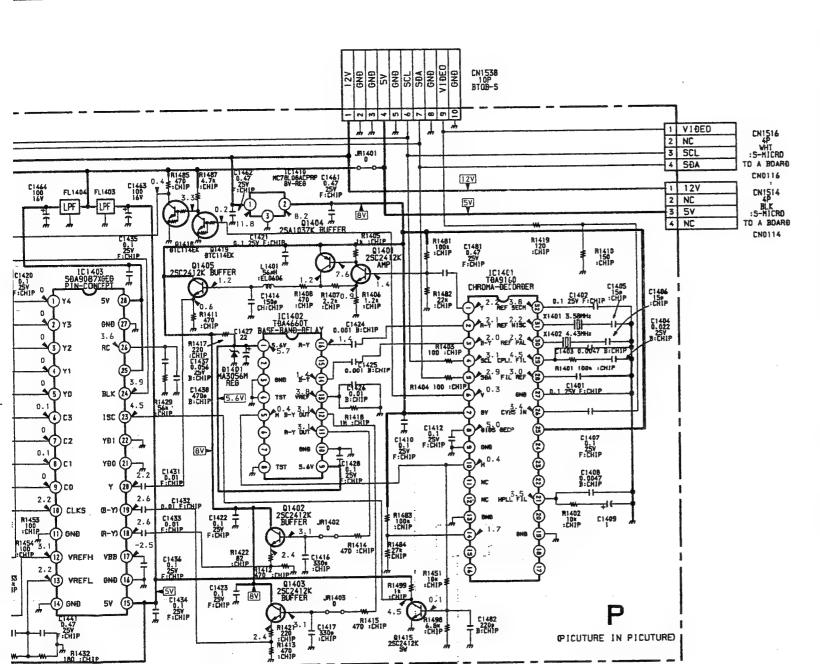


DS IC1712 M5220L SIN.GEN (SIN. WAVE. GEN) C1748 100 167 IC1713 #PC1037HA PANEL H IN C1753 22 25V RV984 // 10k /// H. SIN +120 -120 TO & BOARS 9-6

B-55342.<ET.>-85.







14

12

11

13

15

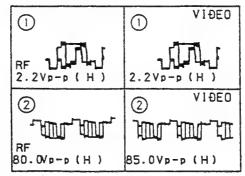
16

17 .-

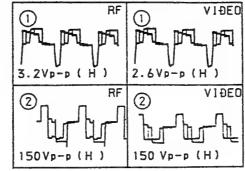
B-554178<AEP>-P..

18

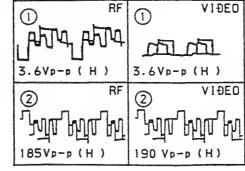
CR BOARD WAVEFORMS

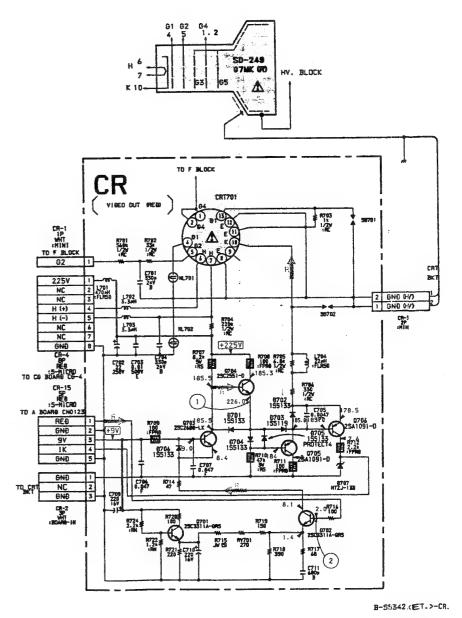


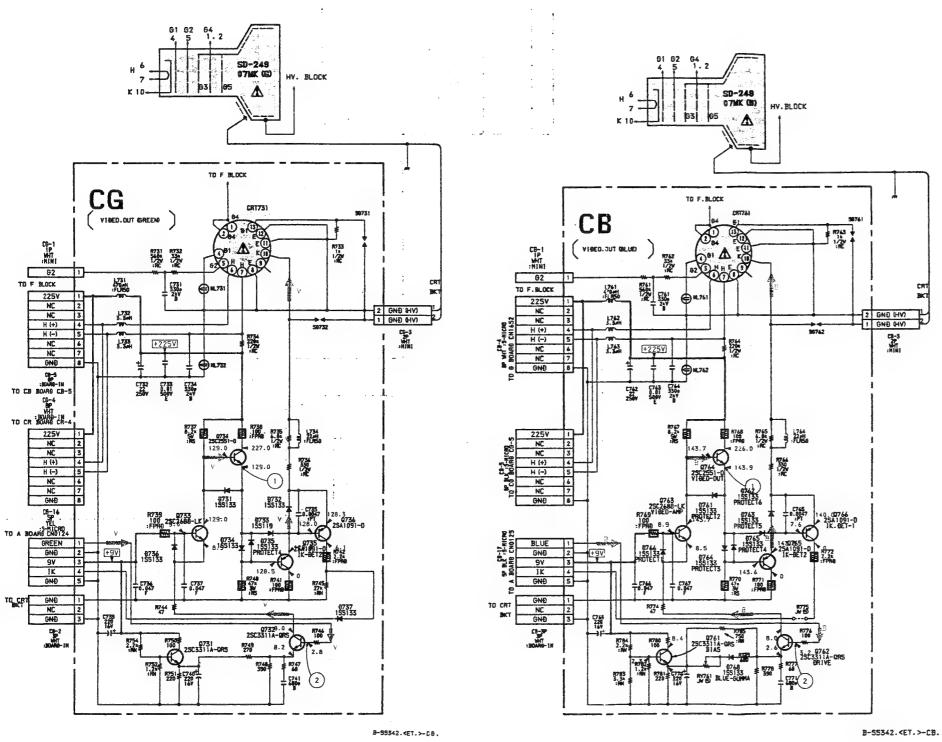
CG BOARD WAVEFORMS



CB BOARD WAVEFORMS





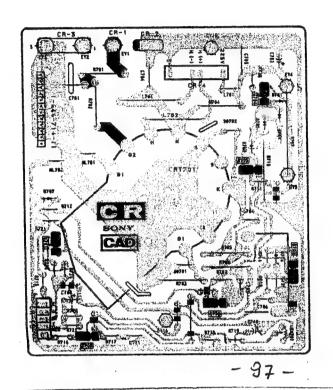


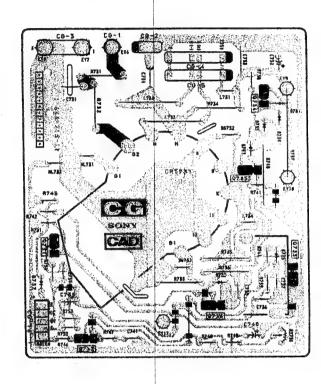
-96-

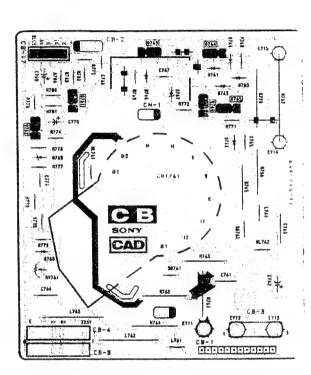


- CG Board -

- CB Board -







P

D

Ε

G

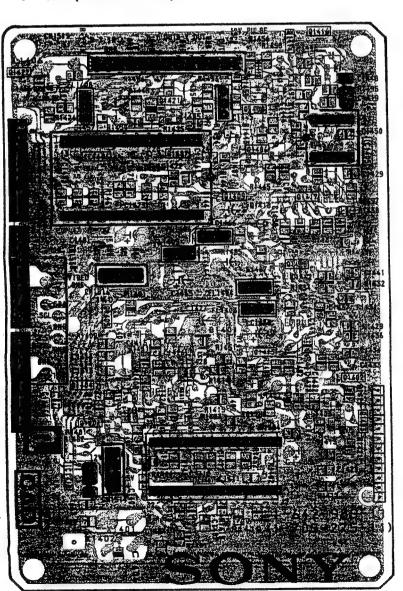
CR [VIDEO OUT (R)]

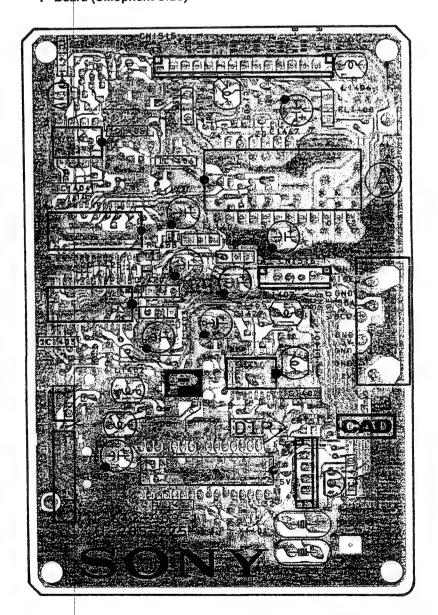
CG [VIDEO OUT (G)]

CB [VIDEO OUT (B)]

- P Board (Conductor Side) -

- P Board (Cmopnent Side) -

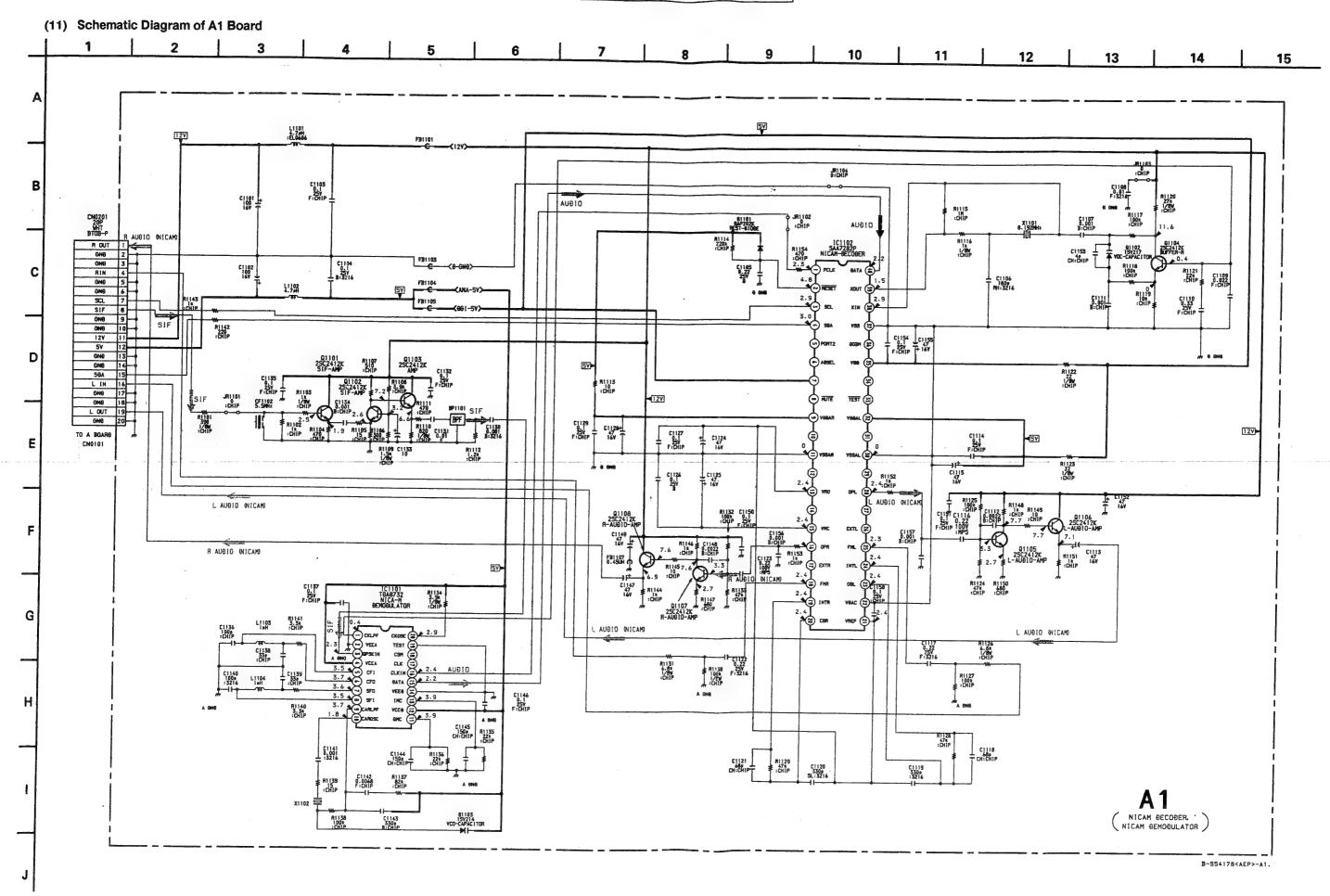




: Pattern from the side which enables seeing.

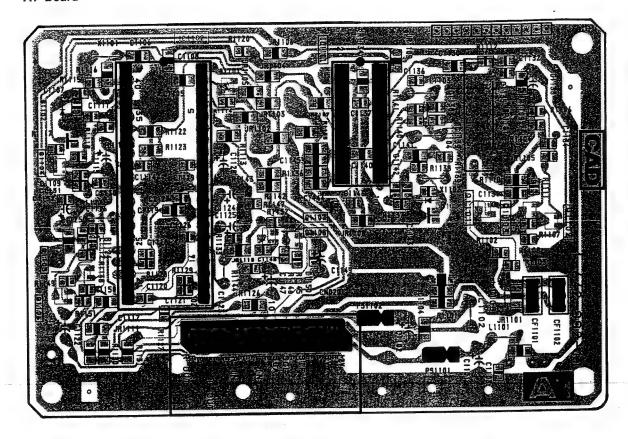
Pattern of the rear side.

-38-





- A1 Board -



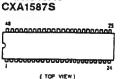
5-4. SEMICONDUCTORS

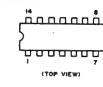
CXA1268P M27C512-20B1-AE21 SDA5231-2 SDA9087XGEG SDA9089XGEG TDA6612









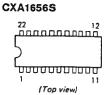


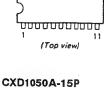
CXA1315P

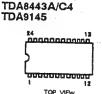
LM324N **MB3614**

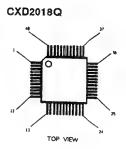
IR3M02 MC14053BCP μPD4053BC

តំណាណពេកព័



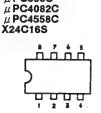




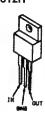






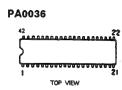


L78M05 MC7809CT NJM78M05FA RC78M05FA NJM7815FA RC7805FA RC7809FA RC7812FA RC7815FA μPC7812H

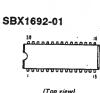


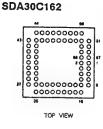




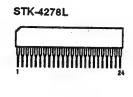


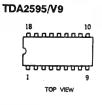




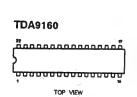






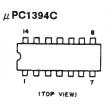


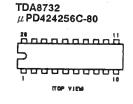




TOP VIEW

















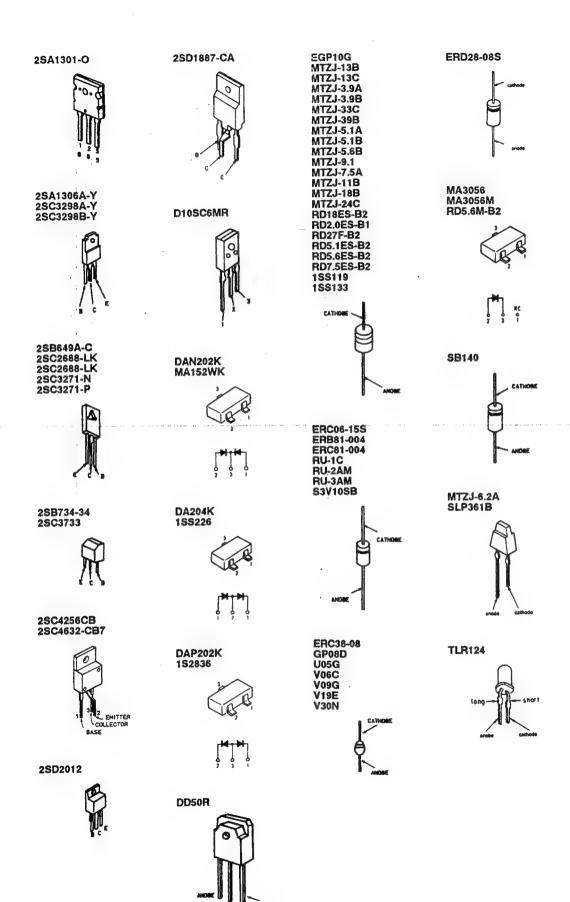
2SA1010-M 2SA1261-K 2SB861-C 2SB1015 2SB1094-LK 2SC3675 2SD1138-C 2SD1406-YGR



2SA1309A-Q 2SA1175-HFE 2SC2785-HFE 2SC3311A-QRS



C.



SECTION 6 **EXPLODED VIEWS**

- NOTE:

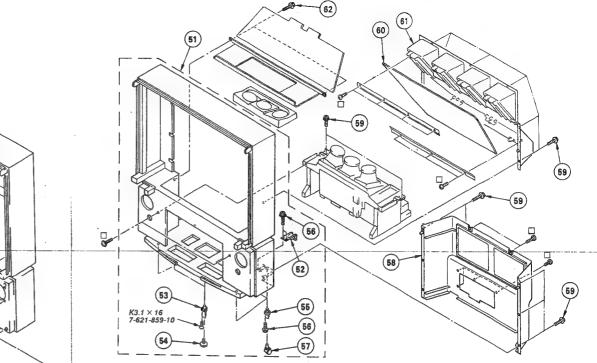
 Items with no part number and no description are not stocked because they are seldom required for routine service. The construction parts of an essembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these trems.

The components identified by shading and mark A are criti cal for safety. Replace only v

REMARK

6-2. CABINET

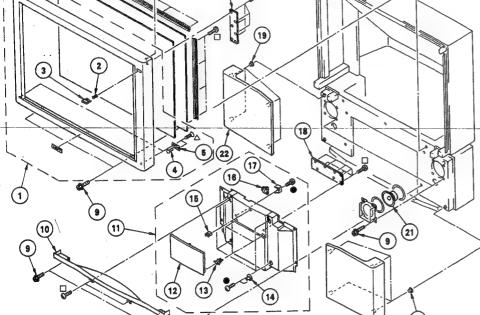
☐: BVTP 4 × 12 7-685-661-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NG.	PART NO.	DESCRIPTION	REMARK
51 52 53 54 55 56	X-4030-603-1 4-037-639-01 4-037-473-01 4-037-472-01 4-030-850-01 4-378-522-01	CABINET ASSY BRACKET, AC CORD NUT, FITTING LEG, ADJUSTABLE SOCKET, CASTER SCREW, TAPPING, HEXAGON HEAD	52~57	57 58 59 60 61 62	4-032-343-11 X-4030-604-1 4-378-522-31 4-037-534-01 4-036-462-01 4-378-522-21	CASTER COVER ASSY, BACK SCREW, TAPPING, HEXAGON MIRROR (46), REPLECTION COVER (46"), MIRROR SCREW, TAPPING, HEXAGON	

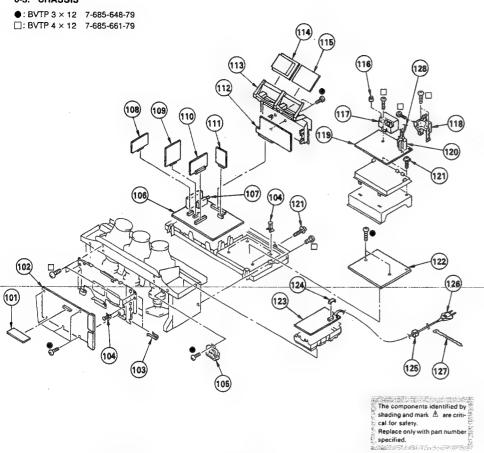
6-1. CONTROL PANEL

●: BVTP 3 × 12 7-685-648-79 ☐: BVTP 4 × 12 7-685-661-79 △: KTP 3 × 12 7-685-248-14



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	
1234567899112	X-4030-609-1 3-308-717-00 4-037-635-01 4-838-452-00 4-037-360-11 4-037-359-17 4-037-359-11 4-378-522-31 4-037-602-1 4-037-632-01	FRAME ASSY, SCREEN SPRING, COMPRESSION BUTTON, POWER STRIKE SUPPORT PLATE (L) DIFFUSION PLATE (P), DIFFUSION HI BOARD FORD APPING, HEXAGON HEAD FSCHITCHEON, FRONT, FINAL LID, FINAL CONTROL	2~5	19 20 21 22	4-843-806-00	SHAFT, LID STRIKE CATCHER, PUSH DAMPER HOLDER, DAMPER HZ BOARD LATCH GRILLE (R) ASSY, APAPTOR, RUTTON H3 BOARD	

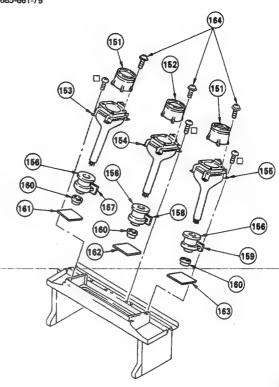
6-3. CHASSIS



REF.NO. PART NO. DESCRIPTION REMARK REF.NO. PART NO. DESCRIPTION REMARK 101 *1-644-278-12 DS BOARD 102 *A-1341-579-A D BOARD, COMPLETE 103 *4-393-401-01 SPRING 116 4-373-137-01 CAP (2), BUBBER 107 4.1-670-570-21 SPACER, SUPPORT 108 *A-1241-744-11 RESISTOR ASSY (HIGH-VOLTAGE) 119 *A-130-305-A N BOARD, COMPLETE 110 *A-1293-185-11 TUNER (UV916H) 111 *A-1645-111-A AI BOARD, COMPLETE 112 *A-1316-137-A G BOARD, COMPLETE 113 *A-1211-11 TUNER (UV916H) 114 *A-1645-024-A V BOARD, COMPLETE 115 *A-1388-158-A J BOARD, COMPLETE 116 *A-1388-158-A J BOARD, COMPLETE 117 *A-1388-158-A J BOARD, COMPLETE 118 *A-1346-137-CAP-OI BRACKET, J 119 *A-137-7620-OI BRACKET, J 110 *A-1645-024-A V BOARD, COMPLETE 111 *A-1645-024-A V BOARD, COMPLETE 112 *A-1388-158-A J BOARD, COMPLETE 113 *A-247-7620-OI BRACKET, J 114 *A-1645-024-A V BOARD, COMPLETE 115 *A-1645-024-A V BOARD, COMPLETE 116 *A-1645-024-A V BOARD, COMPLETE 117 *A-1645-024-A V BOARD, COMPLETE 118 *A-1645-024-A V BOARD, COMPLETE 119 *A-1645-024-A V BOARD, COMPLETE 110 *A-1645-024-A V BOARD, COMPLETE 111 *A-1645-024-A V BOARD, COMPLETE 112 *A-1388-158-A J BOARD, COMPLETE 113 *A-247-620-OI BRACKET, J 114 *A-1645-024-A V BOARD, COMPLETE 115 *A-1645-024-A V BOARD, COMPLETE 116 *A-1645-024-A V BOARD, COMPLETE 117 *A-1645-024-A V BOARD, COMPLETE 118 *A-1645-024-A V BOARD, COMPLETE 119 *A-1645-024-A V BOARD, COMPLETE 119 *A-1645-024-A V BOARD, COMPLETE 110 *A-1645-024-A V BOARD, COMPLETE 1110 *A-1645-024-A V BOARD, COMPLETE 1110 *A-1645-024-A V BOARD, COMPLETE 11110 *A-1645-024-A V BOARD, COMPLETE 1111

6-4. PICTURE TUBE

☐: BVTP 4 × 12 7-685-661-79



The components identified by shading and mark the are critical for safety.
Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION	REMARK REF. NO. PART NO. DESCRIPTION	REMARK
151 4-034-057-01 152 4-034-057-11 153 &8-736-633-05 154 &8-736-631-05 155 &8-736-632-05 156 &1-451-396-21 157 *1-644-717-11	LENS (LINNIT) PICTURE TUBE (SD-249 (R)) PICTURE TUBE (SD-249 (G)) PICTURE TUBE (SD-249 (R))	158 *1-644-718-11 ZG BOARD 159 *1-644-719-11 ZB BOARD 160 &1-452-443-13 NECK ASSY, PICTURE TUBE(NA367) 161 *&-1331-228-A CR BOARD, COMPLETE 162 *&-1331-229-A CG BOARD, COMPLETE 163 *&-1331-239-A CB BOARD, COMPLETE 164 3-701-810-91 SCREW TERMINAL	

The components identified by shading and mark & are criti-

Replace only with part number

Terror and the last the season

al for safety.

specified.



SECTION 7 ELECTRICAL PARTS LIST

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted. CAPACITORS - WF: μF , PF: μF

COILS • MMH : inH, UH : μH

RESISTORS

 All resistors are F: nonflammable 	in ohus					
REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
*A-1131-046-A B1 BOARD, COMPLETE		L1302 L1304 L1305	1-408-405-00 1-408-406-00 1-408-418-00	I NDUCTOR I NDUCTOR I NDUCTOR	4.7UH 5.6UH 56UH	
<capacitor></capacitor>			<tra< td=""><td>NSISTOR></td><td></td><td></td></tra<>	NSISTOR>		
C1301 1-124-478-11 BLBCT 100MF 20X C1302 1-164-232-11 CBRANIC CHIP 0.01MF 10X C1303 1-164-232-11 CBRANIC CHIP 0.01MF 10X C1304 1-124-478-11 BLBCT 100MF 20X C1305 1-124-478-11 BLBCT 100MF 20X	25¥ 50¥ 25¥ 25¥	1 01305	8-729-216-22 8-729-120-28	TRANSISTOR 250 TRANSISTOR 250 TRANSISTOR 250 TRANSISTOR 250 TRANSISTOR 250	1162-4 11623-L5L6	
C1306 1-164-232-11 CERAMIC CHIP 0.01MF 10X C1307 1-164-232-11 CERAMIC CHIP 0.01MF 10X C1308 1-124-478-11 BLECT 100MF 20X C1309 1-124-910-11 BLECT 47MF 20X C1310 1-124-917-11 BLECT 33MF 20X	50V 50V 25V 50V	01311	8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22 8-729-120-28	TRANSISTOR 25. TRANSISTOR 25. TRANSISTOR 25. TRANSISTOR 25. TRANSISTOR 25.	A1162-G A1162-G A1162-G	
C1311 I-163-101-00 CERAMIC CHIP 22PF 5% C1312 I-124-907-11 BLBCT 10MF 20% C1314 I-124-907-11 BLBCT 10MF 20%	50V 50V			HSTOR>		
C1319 1-163-031-11 CERAMIC CHIP O.O.WP	50V 25V 50V 50V	JR1 JR2 JR3 JR4	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/8W
C1320 1-163-031-11 EXAMPLE CHIP 0.0.0 T C1321 1-163-101-00 CERANIC CHIP 22PF 5X C1322 1-163-101-00 CERANIC CHIP 22PF 5X C1323 1-163-109-00 CERANIC CHIP 47PF 5X C1324 1-163-133-00 CERANIC CHIP 470PF 5X	50V 50V 50V	JR5 JR6 JR7	1-216-296-00 1-216-296-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 8.2% 5% 27% 5% 1.2% 5%	1/8W 1/10W 1/10W
C1325 1-163-169-00 CBRANIC CHIP 33PF 5% C1327 1-163-038-00 CERAMIC CHIP 0.1MP C1333 1-164-232-11 CBRANIC CHIP 0.01MF 10%	50V 25V 50V	R1301 R1302 R1303		METAL GLAZE METAL GLAZE METAL GLAZE		1/10W 1/10W 1/10W
<connector></connector>		R1304 R1305	1-216-043-00	METAL CLATE	560 5% 5.6K 5% 1K 5%	1/10W 1/10W
CNO302*1-573-299-11 CONNECTOR, BOARD TO BOARD 10P	•	R1307 R1308	1-216-049-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE	1K 5% 100 5%	1/10W 1/10W
<d100b></d100b>		R1310	1-216-067-00	METAL GLAZE METAL GLAZE	5.6K 5% 1.2K 5%	1/109 1/109
D1302 8-719-400-18 DIGDE MA152WK		R1312	1-216-035-00 1-216-059-00	METAL GLAZE METAL GLAZE	5.6K 5% 1.2K 5% 270 5% 2.7K 5% 5.6K 5%	1/10W 1/10W 1/8W
<filter></filter>		R1315	1-216-043-00	METAL GLAZE	560 5% 1% 5% 1.8% 5%	1/10W 1/10W
PL1301 1-236-620-11 FILTER, LOW PASS FL1302 1-236-620-11 FILTER, LOW PASS FL1303 1-236-620-11 FILTER, LOW PASS FL1304 1-236-164-11 ENCAPSULATED COMPONENT		R1316 R1319 R1320 R1321	1-216-049-00 1-216-055-00 1-216-043-00 1-216-204-00	METAL GLAZE METAL GLAZE	1.8K 5%	1/10W 1/10W 1/8W
C		R1322 R1324 R1326	1-216-067-00 1-216-049-00 1-216-202-00	METAL GLAZE METAL GLAZE	5.6K 5X 1K 5X 1.5K 5X	1/10W 1/10W 1/8W
1C1301 8-741-692-01 1C SBX1692-01		R1327 B1328	1-216-059-00 1-216-043-00	METAL GLAZE	2.7% 5% 560 5%	1/10W 1/10W
<coil></coil>		R1329	1-216-043-00	METAL GLAZE	560 5% 10% 5%	1/10W 1/10W
L1301 1-408-405-00 INDUCTOR 4.7UH		R1331	1-216-043-00 1-216-073-00 1-216-069-00	METAL GLAZE	6.8K 5%	1/10W

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cal	for	safe	ty.			-
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	Figure 1 and Strain Control of the Strain Co	STEER ST. CARREST							L		لـــــــــــــــــــــــــــــــــــــ	L_
	REF.NO. PART NO.	DESCRIPTION			REMARK		PART NO.	DESCRIPTION			REMARK	
	R1332 1-216-069-00 R1333 1-216-067-00 R1334 1-216-055-00 R1341 1-216-089-00 R1342 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6-8K 5% 5-6K 5% 1-8K 5% 47K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	ī		*A-1296-987-A 4-200-001-01	HOLDER, IC	****			
	R1343 1-216-057-00 R1344 1-216-065-00	METAL GLAZE METAL GLAZE	2.2K 5% 4.7K 5%	1/10W 1/10W		1	4-201-023-01 *4-341-751-01 *4-341-752-01 *4-363-146-71	SPACER, INSUI EYELET (EY46- EYELET (EY30- HEAT SINK, V	LATING ~EY59) ~EY40) .OUT			
	***************	************		******	*******		4-363-414-00	SPACER, MICA				
		F BOARD, COMPL	***				*4-368-683-11 4-382-854-11 4-812-134-00	SPACER, MICA SPRING, TRANS SCREW (M3X10 RIVET NYLON,	SISTOR), P, SW (+) 3.5			
	*4-341-751-01 *4-341-752-01	EYELET (EY1812 EYELET (EY1801	2~EY1827) [~EY1811,EY1	828~EY1	831)		< CAP	ACITOR>				
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>€071</td><td>1-124-120-11</td><td>ELECT</td><td>220MF</td><td>20%</td><td>16V</td><td></td></cap<>	ACITOR>				€071	1-124-120-11	ELECT	220MF	20%	16V	
	C1802A, I-161-953-81 C1803A, I-161-953-81 C1804A, I-125-483-11 C1805 I-162-599-12	CERANIC (BLECT (BLOCK) 4	0.0047MF 0.0047MF 170MF 0.0047MF	20%	400V 400V 400V 400V	C072 C073 C074 C102	1-124-120-11 1-163-125-00 1-163-001-11 1-126-103-11	CERAMIC CHIP CERAMIC CHIP ELECT	220MF 220PF 220PF 470MF	20% 5% 10% 20%	16V 50V 50V 16V	
	C1807A. 1-162-578-51 C1816A. 1-136-519-11 C1817A. 1-136-519-11 C1820A. 1-161-953-81	FILM OFILM O	0.0047NF 0.47NF 0.47NF	20% 20% 20%	400V 300V 300V 400V	C103 C104 C105 C106 C110	1-163-031-11 1-124-910-11 1-126-233-11 1-124-927-11 1-124-122-11	CERAMIC CHIP BLECT BLECT BLECT BLECT	0.01MF 47MF 22MF 4.7MF 100MF	20% 20% 20% 20%	50V 50V 50V 50V 25V	
	C1821 1-161-953-81	CERAMIC O	.0047MF	20%	400V						50V	
						C111 C120 C201	1-163-009-11 1-163-031-11 1-137-373-91	CERAMIC CHIP CERAMIC CHIP	0.001MF	10%	50¥	
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>C201 C202</td><td>1-137-373-91 1-137-373-91</td><td>FILM FILM</td><td>0.033MF 0.033MF</td><td>5% 5%</td><td>50V 50V</td><td></td></con<>	NECTOR>				C201 C202	1-137-373-91 1-137-373-91	FILM FILM	0.033MF 0.033MF	5% 5%	50V 50V	
÷	CN1829*1-508-784-00	PIN. CONNECTOR	(5MN PITCH)	1P		C203	1-164-005-11	CERAMIC CHIP	0.47MF		25V	
	CN1850*1-568-878-51 CN1851*1-508-765-00	PIN. CONNECTOR	(5MM PITCH)	3P		C204	1-164-005-11	CERAMIC CHIP	0.47MF		25 V	
	CN1851*1-508-765-00 -CN1857*1-508-786-00- CN1858*1-580-689-11	PIN, CONNECTOR	(PC BOARD)	4P		C205 C206 C207	1-124-907-11 1-164-161-11 1-137-613-11	CERAMIC CHIP		20% 10%	-5 0 V 50 V	
	CN1859*1-580-689-11 CN1860*1-580-689-11	PIN. CONNECTOR	(PC BOARD)	4P		C208	1-164-005-11	CERANIC CHIP		2%	100V 25V	
						C209 C210	I-164-005-11 I-164-005-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.47MF		25¥ 25¥	
	<010	DE>				C211 C213	1-164-004-11 1-163-023-00	CERANIC CHIP	0.1MF 0.015MF	10% 10%	25V 50V	
	D1801 A 8-719-503-06 D1803 8-719-911-19	DIODE SSWB60Z DIODE ISS119				C214	I-163-023-00 I-163-023-00			10%	50 V	
						C215 C216	1-163-809-11 1-163-809-11	CBRANIC CHIP	0.047NF	10% 10%	25V 25V	
	<fus< td=""><td>E></td><td></td><td></td><td></td><td>C217</td><td>1-124-925-11 1-124-925-11</td><td>ELECT ELECT</td><td>2.2MF 2.2MF</td><td>20% 20% 10%</td><td>50V 50V</td><td></td></fus<>	E>				C217	1-124-925-11 1-124-925-11	ELECT ELECT	2.2MF 2.2MF	20% 20% 10%	50V 50V	
	F1801A. 1-576-232-21	PUSE (H.B.C.) HOLDER, FUSE:	5A/250V F1801			C218 C219	1-124-925-11 1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50 V	
	1 777 230 11		. 1001			C220 C221	1-163-011-11 1-124-925-11	CERANIC CHIP BLECT	0.0015MF 2.2MF	107	50V 50V	
	<tra< td=""><td>NSFORMER></td><td></td><td></td><td>1</td><td>C222</td><td>1-124-925-11</td><td>ELECT</td><td>2.2NF</td><td>207</td><td>50V</td><td></td></tra<>	NSFORMER>			1	C222	1-124-925-11	ELECT	2.2NF	207	50V	
	LF1801A 1-424-436-11 LF1802A 1-424-436-11	TRANSPORMER, TRANSFORMER,	LINE FILTER LINE FILTER			C223 C224	1-137-198-81 1-137-198-81	FILM		5% 5%	50V 50V	
						C225 C226	1-164-182-11 1-163-007-11	CERANIC CHIP	FROPE	10% 10%	50V 50V	
		ISTOR>			į	C227 C228	1-124-907-11 1-124-907-11	ELECT ELECT	10MF 10MF	20% 20% 20%	50V 50V	
	R1801A 1-260-132-91 R1803 1-249-377-11	CARBON CARBON	560K 57	1/2W 1/4W F		C229	1-126-101-11	BLECT	IOOMF	20%	16V	
	R1803 1-249-377-11 R1804A 1-205-790-11 R1808A 1-244-945-91	WI REWOUND CARBON	560K 5% 0.47 5% 5.6 5% 1N 5% 8.2N 5%	20W 1/2W		C230 C231	1-126-101-11 1-164-346-11	ELECT CERAMIC CHIP	100MF	20%	16V 16V	
	R1809 1-218-265-11	METAL GLAZE	8.2N 5%	IW		C232	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50Y	
	.==-	4.165				C233 C234	1-163-009-11 1-163-017-00	CERAMIC CHIP	0.001NF	10% 10%	50V 50V	
	<rel.< td=""><td></td><td></td><td></td><td></td><td>C235 C236</td><td>1-137-134-91</td><td></td><td>0.22MF</td><td>5%</td><td>63V</td><td></td></rel.<>					C235 C236	1-137-134-91		0.22MF	5%	63V	
	RY1801A 1-515-805-11	RELAY, POWER				C236 C237	1-124-618-11 1-124-618-11	ELECT	2200MF 2200MF	5% 20% 20%	35V 35V	
	**************	***********	*********	******	*******	C238	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	śóż .	- ,

REMARK

The components identified by shading and mark are critical for safety. Replace only with part numb specified.

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	REF.NO.	PART NO.	DESCRIPTION	4		REMARK	REF. NO	. PART NO.	DESCRIPTION			REMARK
	C239 C240 C241 C242 C243	1-137-134-91 1-126-233-11 1-126-233-11 1-124-903-11 1-163-119-00	ELECT :	0.22MF 22MF 22MF 1MF 120PF	57 207 207 207 207 57	63V 50V 50V 50V 50V	C427 C428 C429 C501	1-164-346-11 1-164-346-11 1-124-119-00 1-126-103-11	CERAMIC CHIP CERAMIC CHIP ELECT ELECT	_	20¥ 20¥	16V 16V 16V 16V
	C244 C251 C301 C302	1-164-232-11 1-126-320-11 1-163-038-00 1-163-038-00	CERAMIC CHIP (ELECT CERAMIC CHIP (CERAMIC CHIP (0.01MF 10MF 0.1MF 0.1MF	107 207	50V 16V 25V 25V	C502 C503 C504 C505	1-124-902-00 1-130-487-00 1-163-031-11 1-136-598-11	ELECT MYLAR CERANIC CHIP FILM	0.47NF 0.022NF 0.01NF 3NF	20% 5%	50V 50V 200V
	C303 C304 C305	1-164-346-11 1-164-004-11 1-163-097-00	CERAMIC CHIP :		10%	16¥ 25¥ 50¥	C507 C508 C509	1-108-700-11 1-102-973-00 1-102-030-00	MYLAR CERANIC CERANIC	0.047MF 100PF 330PF	10% 5% 10%	200V 50V 500V
	C306 C307 C308	1-163-097-00 1-163-017-00 1-163-037-11	CERAMIC CHIP (CERAMIC CHIP (CERAMIC CHIP (15PF D. 0047NF D. 022NF	51 101 101	50V 50V 25V	C514 C515 C517	1-136-565-11 1-163-031-11 1-163-031-11 1-124-907-11	FILM CERANIC CHIP CERANIC CHIP ELECT	0.01MF 10MF	3% 20%	1.4KV 50V 50V 50V
	C309 C310 C311 C312 C313	1-164-004-11 1-163-038-00 1-163-077-00 1-124-910-11 1-163-077-00	CERAMIC CHIP (CERAMIC CHIP (CERAMIC CHIP (BLECT CERAMIC CHIP (0.1KF 0.1KF 47KF	10% 10% 20%	25¥ 25¥ 25¥ 50¥ 50¥	C518 C520 C522 C523 C524	1-163-031-11 1-126-233-11 1-123-024-21 1-108-700-11 1-124-477-11	CERANIC CHIP BLECT BLECT HYLAR BLECT	0.01NF 22MF 33KF 0.047NF 47MF	201 101 201	50V 50V 160V 200V 16V
	C314 C315 C316 C317 C318	1-163-038-00 1-124-910-11 1-163-077-00 1-163-103-00 1-163-103-00	CBRAMIC CHIP C BLECT CERAMIC CHIP C CERAMIC CHIP 2 CERAMIC CHIP 2	17W2	20% . 5%	25V 50V 50V 50V 50V	C525 C526 C528 C529 C530	1-163-031-11 1-163-031-11 1-124-662-11 1-124-907-11	CERAMIC CHIP CERAMIC CHIP ELECT BLECT	0.01MF 0.01MF 220MF 10MF	20% 20% 10%	50V 50V 50V 50V
	C319 C320 C321 C322 C323	1-163-038-00 1-124-910-11 1-163-038-00 1-126-233-11 1-163-135-00	CERAMIC CHIP C	ITMF D.IMF Bene	20% 20% 5%	25V 50V 25V 50V 50V	C531 C532 C536 C537	1-164-299-11 1-164-299-11 1-163-125-00 1-124-662-11 1-124-662-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT ELECT	0.22MF 220PF 220MF 220MF	10% 5% 20% 20%	25V 25V 50V 50V 50V
	C324 C341 C342 C343	1-124-910-11 1-163-077-00	ELECT 4 CERAMIC CHIP 0	7MF	20% 10%	50V 25V 25V 25V 25V	C539 C542	1-124-907-11 1-163-031-11	CERANIC CHIP		20%	50V 50V
	C344	1-163-077-00 1-164-004-11 1-162-638-11 1-162-638-11	CERAMIC CHIP O CERAMIC CHIP I CERAMIC CHIP I	MF	10% 10%	25 V 25 V 16 V	C543 C544 C545 C557 C569	1-163-031-11 1-163-031-11 1-163-031-11 1-102-030-00 1-123-935-00	CERANIC CHIP CERANIC CHIP CERANIC CHIP CERANIC ELECT	0.01MF 0.01MF 0.01MF 330PF 33MF	10% 20%	50V 50V 50V 500V 160V
	C349	1-162-638-11 1-162-638-11 1-162-638-11 1-162-638-11 1-124-907-11		MF MF MF OMF	20%	16V 16V 16V 50V	C574 C577 C578 C579	1-163-117-00 1-163-093-00 1-163-031-11 1-124-910-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	100PF 10PF	5% 5% 20%	50V 50V 50V 50V
	C354 *	1-124-234-00 1-162-638-11 1-162-638-11 1-162-638-11 1-164-299-11	ELECT 2 CERAMIC CHIP 1 CERAMIC CHIP 1 CERAMIC CHIP 1 CERAMIC CHIP 0	MF	20%	16V 16V 16V 16V 25V	C580 C581 C582 C583	1-163-031-11 1-163-031-11 1-126-233-11	CERAMIC CHIP	0.01MF 0.01MF	20%	50V 50V 50V 50V
	C357 C358 C359	1-164-299-11 1-164-299-11 1-124-907-11	CERAMIC CHIP O CERAMIC CHIP O ELECT 1	. 22MF . 22MF ONF	10% 10% 20%	25 V 25 V 50 V	C586 C587 C588	1-124-903-11	CERAMIC CHIP CERAMIC CHIP BLECT CERAMIC CHIP	INF	10% 20%	50V 50V 16V
	C361 C362	1-163-101-00 1-137-134-91 1-124-907-11	CERAMIC CHIP 2 FILM 0 ELECT 1	2PF . 22MF ONF	5% 5% 20%	50V 63V 50V	C589 C590 C591 C592	1-126-233-11 1-126-233-11 1-124-925-11 1-163-017-00	ELECT ELECT ELECT CERAMIC CHIP	22MF 22MF 2.2MF	207 207 207 107	50V 50V 50V 50V
	C365 C366	1-124-120-11	ELECT 2 ELECT 1 CERAMIC CHIP 0	20MF MF	20% 20% 20%	16V 50V 16V 50V	C593 C595 C596 C680	1-164-182-11 1-163-117-00 1-163-077-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0033MF 100PF 0.1MF	107 57 107	50¥ 50¥ 25¥
	C411 C412 C421	1-124-910-11		.47NF .47NF 7NF	20%	16V 25V 25V 50V	C681 C682 C684	1-126-101-11 1-126-101-11 1-124-478-11	ELECT ELECT ELECT	100MF 100MF 100MF	20% 20% 20% 20%	25V 16V 16V 25V
	C423 C424	1-124-910-11 1-137-047-11 1-163-129-00 1-163-129-00		7MF .01MF 30PF 30PF	10% 5% 5%	50V 400V 50V 50V	C685 C686 C687		ELECT ELECT	100MF 22MF 22MF	20% 20% 20%	50V 50V 50V
	C426	1-124-910-11	ELECT 4	7NF	20%	50V		<filt< td=""><td>ER></td><td></td><td></td><td></td></filt<>	ER>			

REF.N	O. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	į ·
CF58		1 OSCILALTOR, CERAMIC OMMECTOR>		D401 D403 D405 D406	8-719-921-69 8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9 DIODE MTZJ-9 DIODE MTZJ-9 DIODE MTZJ-9). <u>1</u>). 1
CNO1 CNO1	01*1-568-880-7 01 1-695-297-1 02 1-573-296-1 03 1-695-297-1 05*1-568-879-5	PIN, CONNECTOR 5P CONNECTOR, BOARD TO BOARD 20P CONNECTOR, BOARD TO BOARD 10P CONNECTOR, BOARD TO BOARD 20P		D407 D501 D502 D503 D504	8-719-921-69 8-719-971-20 8-719-971-20 8-719-300-80 8-719-109-89	DIODE MTZJ-9 DIODE ERC38- DIODE ERC38- DIODE RU-1C DIODE RD5.6E	06 06
CNO10 CNO10 CNO1	06*1-568-880-5 08*1-564-513-1 09 1-695-299-1 10*1-568-882-5 13 1-695-298-1	1 PLUG, CONNECTOR 10P 1 CONNECTOR, BOARD TO BOARD 50P 1 PIN. CONNECTOR 7P		D505 D506 D507 D508 D509	8-719-900-95 8-719-900-95 8-719-970-89 8-719-400-18 8-719-982-08	DIODE VOOG DIODE DD50R DIODE NA152W DIODE MTZJ-3	.9В
CHOI: CHOI: CHOI:	14*1-568-879-5 15*1-564-516-1 16*1-568-879-5 19*1-568-878-5 20*1-691-291-1	PLUG, CONNECTOR 13P PIN, CONNECTOR 4P PIN, CONNECTOR 3P		D510 D511 D512 D513 D514	8-719-400-18 8-719-109-89 8-719-911-19 8-719-400-18 8-719-400-18	DIODE RD5.6E DIODE 155119 DIODE MA152W DIODE MA152W	S-82 K
CNO1: CNO1:	21*1-691-291-11 22*1-691-291-11 3*1-568-880-71 4*1-568-880-81 5*1-568-880-61	PIN, CONNECTOR (PC BOARD) 5P PIN, CONNECTOR 5P PIN, CONNECTOR 5P		D518 D521 D522 D523 D524	8-719-400-18 8-719-400-18 8-719-400-18 8-719-400-18 8-719-400-18	DIODE MA152W DIODE MA152W	K K K
CNO12 CNO12 CNO12	6*1-564-511-51 7*1-564-512-11 8*1-568-881-51 9*1-508-784-00 1*1-568-879-51	PLUG, CONNECTOR 9P PIN, CONNECTOR 6P PIN, CONNECTOR (5WM PITCH) 1P		D525 D526 D527 D555 D571	8-719-400-18 8-719-400-18 8-719-400-18 8-719-400-18 8-719-800-76	DIODE NA152WI DIODE NA152WI DIODE MA152WI DIODE MA152WI DIODE ISS226	
CN013 CN013 CN013 CN013 CN013	2*1 -564-511-61 3*1-564-513-11 4*1-568-880-51 5*1-508-786-00 7*1-564-511-51	PLUG, CONNECTOR 8P PLUG, CONNECTOR 10P PIN, CONNECTOR 5P PIN, CONNECTOR (5MM PITCH) 2P PLUG, CONNECTOR 8P		D613	8-719-400-18	DIODE MAIS2WE DIODE RD7.5ES DIODE MAIS2WE DIODE MAIS2WE	-B2
	<011	ODE>		10001	<10>		
D069 D071 D073	8-719-104-34 8-719-104-34 8-719-109-89 8-719-109-89 8-719-400-18	D10DE 152836 D10DE 152836 D10DE RD5.6E5-B2 D10DE RD5.6E5-B2 D10DE MA152WK		1 C005 1 C072 1 C201 1 C202	8-752-037-04 8-752-058-71 8-759-073-14 8-759-073-30 8-759-502-21	IC CX-7948A IC CXA1656S IC X24C16P IC TDA6612 IC TDA2822M	
D077 D078 D079	8-719-400-18 8-719-109-89 8-719-109-89 8-719-82-27 8-719-400-18	DIODE MAI52WK DIODE RD5.66S-B2 DIODE RD5.66S-B2 DIODE MTZJ-33C DIODE MTZJ-33C		1C261 1C301 1C302 1C304	8-759-072-99 8-759-072-99 8-759-073-15 8-759-505-39 8-752-056-54	IC TDA2052 IC TDA2052 IC TDA9145/NI IC TDA4660V2 IC CXA1587S	
	8-719-400-18 8-719-921-89 8-719-400-18 8-719-911-19 8-719-911-19	DIODE MAISZWK DIODE MTZJ-13C DIODE MAISZWK DIODE ISSI19 DIODE ISSI19		IC402 8 IC502 8 IC681 8 IC682 8	8-752-062-86 8-759-073-00 8-752-057-18 8-759-072-98 8-759-604-35	IC CXA1545AS IC TEA2114 IC CXA1315P IC TDA8138A IC M5F78M05	
D211	8-719-911-19 8-719-911-19		l	10000 0	1-139-302-10	IC RETBUSHA	
D212 D213 D301 D304	8-719-911-19 8-719-400-18 8-719-400-18 8-719-109-89	D10DE 1SS119 D10DE 1SS119 D10DE MA152WK D10DE MA152WK D10DE RD5.6ES-B2		IFB101 1		SLOCK> IF BLOCK (IFH-	389F)
D305 D306 D307 D308 D311	8-719-400-18 8-719-400-18 8-719-400-18 8-719-800-76 8-719-800-76	DIODE MAI52WK DIODE MAI52WK DIODE MAI52WK DIODE ISS226 DIODE ISS226	į	L102 1	-408-413-00	INDUCTOR INDUCTOR	560VH 22VH
D381		DIODE RD7.5ES-B2	-	L306 1		I NDUCTOR I NDUCTOR I NDUCTOR	4.7MMH 4.7UH 47UH

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	6. T.A.	200	9 455	1847.	-2465

J	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARI
	L444 L501 A L502 L503 L504	1-410-476-11 1-460-196-11 1-410-645-31 1-408-420-00 1-412-546-21	INDUCTOR 33UH COIL, HORIZONTAL LINBARITY INDUCTOR 100UH INDUCTOR 82UH INDUCTOR 560UH		Q581 Q582 Q610 Q611	8-729-120-28 8-729-216-22 8-729-140-97 8-729-900-53	TRANSISTOR 2S/ TRANSISTOR 2S/ TRANSISTOR 2S/ TRANSISTOR DTG	CI14EK		
	L505 L507	05 1-459-313-00 COLL WITH CORE (HWC)			4012					
	L508 L610 L611	1-412-546-21 1-412-539-21 1-412-539-21	INDUCTOR 150UH INDUCTOR 150UH		JR1 JR2 JR3 JR4 JR5	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5%	1/8W 1/8W 1/8W	
		<tra< td=""><td>NSISTOR></td><td></td><td>JR4 JR5</td><td>1-216-296-00 1-216-296-00 1-216-295-00</td><td>HETAL GLAZE HETAL GLAZE</td><td>0 5% 0 5% 0 5%</td><td>1/8¥ 1/10¥</td><td></td></tra<>	NSISTOR>		JR4 JR5	1-216-296-00 1-216-296-00 1-216-295-00	HETAL GLAZE HETAL GLAZE	0 5% 0 5% 0 5%	1/8¥ 1/10¥	
	Q071 Q101 Q102 Q103 Q201	8-729-216-22 8-729-901-00 8-729-901-06	TRANSISTOR DTA124EK TRANSISTOR SA1162-G TRANSISTOR DTC124EK TRANSISTOR DTA144EK TRANSISTOR 25C1623-L5L6		JR6 JR7 JR8 JR9 JR10	I-216-295-00 I-216-295-00 I-216-295-00 I-216-295-00 I-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/8W	
	Q202 Q203 Q204 Q205 Q206	8-729-120-28 8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		JR11 JR12 JR13 JR14 JR15	1-216-295-00 1-216-296-00 1-216-296-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/8W 1/10W 1/10W	
	Q207 Q209 Q301 Q302 Q303	8-729-120-28 8-729-120-28 8-729-901-00 8-729-216-22 8-729-216-22	TRANSISTOR 25C1623-L5L6 TRANSISTOR 25C1623-L5L6 TRANSISTOR DTC124EK TRANSISTOR 25A1162-G TRANSISTOR 25A1162-G		JR16 JR17 JR18 JR19 JR20	1-216-296-00 1-216-296-00 1-216-296-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/10W 1/8W	ı
	Q304 Q305 Q306 Q308 Q309	8-729-900-53 8-729-901-01 -8-729-216-22 8-729-216-22 8-729-931-02	TRANSISTOR DTC144EX		JR21 JR22 JR23 JR24 JR25	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 52 0 52 0 52	1/8W_	
	Q310 Q311 Q312 Q401 Q402	8-729-901-00 8-729-901-06 8-729-900-53 8-729-120-28 8-729-120-28	TRANSISTOR DTC114EX TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		JR26 JR27 JR28 JR29 JR30	1-216-296-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE	0 52 0 52 0 52 0 52 0 52	1/8W 1/10W 1/10W 1/10W 1/8W	į.
	Q403 Q404 Q444 Q445 Q501	8-729-120-28 8-729-120-28 8-729-120-28 8-729-216-22 8-729-119-80	TRANSISTOR 2SC1623-LbL6		JR31 JR32 JR33 JR34 JR35	1-216-295-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 55 0 55 0 55 0 55 0 55	1/104 1/8W 1/8W 1/8W 1/8W	J
	Q502 Q503 Q504 Q505 Q506	8-729-014-88 8-729-216-22 8-729-120-28 8-729-201-32 8-729-201-32	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6			1-216-296-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 55 0 55 0 55 0 55	1/8W 1/100 1/100 1/100 1/100 1/8W	P)
	9507 9508 9509 9510 9511	8-729-304-92 8-729-204-16 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		JR42 JR43 JR44 JR45 JR46		METAL GLAZE	0 5 0 5 0 5 0 5	7 1/8¥ 7 1/8¥	
	9512 9515 9516 9517 9518	8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22 8-729-120-28	TRANSISTOR 25A1162-G TRANSISTOR 25A1162-G TRANSISTOR 25A1162-G		JR47 JR48 JR49 JR50 JR51	1-216-296-0 1-216-296-0 1-216-296-0 1-216-295-0 1-216-295-0	O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE	6 5	7 1/8W 7 1/8W 7 1/10	i i
	Q519 Q520 Q521 Q522 Q524	8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		JR52 JR53 JR54 JR55 JR56	1-216-296-0 1-216-296-0 1-216-296-0 1-216-296-0	O NETAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE	0 5	7 1/8% 7 1/8% 7 1/8% 7 1/8% 7 1/8%) }

							201121	(B00 V0	D. D. W.O.	ADD AD LONG ON				REMARK	_
-	REF.NO.	PART NO.	DESCRIPTION				KEHAKK	REF. NU.	PART NO.	DESCRIPTION				ACMARK 	
	JR57 JR58	1-216-295-00 1-216-296-00	NETAL GLAZE NETAL GLAZE	0	5% 5%	1/10W 1/8W		R211	1-247-739-11	CARBON	100	5%	1/2₩		
	JR59 JR60	1-216-295-00 1-216-295-00	METAL GLAZE	0	5%	1/10W 1/10W		R212 R213	1-216-049-00 1-216-073-00	NETAL GLAZE HETAL GLAZE	1 K 10 K	5% 5%	1/10W 1/10W		
	JR61	1-216-295-00	METAL GLAZE	0	5%	1/10W 1/8W		R214 R215 R216	1-216-049-00 1-216-073-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K	5% 5% 5%	1/10W 1/10W 1/10W		
	JR62 JR63 JR64	1-216-296-00 1-216-296-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/10W		R217	1-216-043-00	METAL GLAZE	560	5% 5%	1/10W		
	JR65 JR66	1-216-295-00 1-216-296-00 1-216-295-00	METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/10W		R218	1-216-081-00 1-212-849-00	HETAL GLAZE FUSIBLE	22K 4.7	5% 5%	1/10W 1/4W	F	
	JR67	1-216-296-00	METAL GLAZE	0	5% 5% 5%	1/8W 1/8W		R222 R223	1-216-049-00 1-216-043-00	NETAL GLAZE METAL GLAZE	1 K 560	5% 5%	1/10W 1/10W		
	JR68 JR69 JR70	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/8W		R224 R225	1-216-081-00 1-212-849-00	METAL GLAZE FUSIBLE	22K 4.7	5% 5%	1/10W 1/4W	F	
	JR71	1-216-296-00	METAL GLAZE	0	5% 5%	1/8₩		R225 R226 R227	1-216-039-00 1-216-081-00	METAL GLAZE METAL GLAZE	390 22K 22K	5% 5% 5%	1/10W 1/10W 1/10W		
	JR72 JR73 JR74	1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5% 5%	1/10W 1/8W 1/8W		R228	1-216-081-00 1-216-039-00	METAL GLAZE METAL GLAZE	390		1/10W		
	JR75 JR76	1-216-296-00	METAL GLAZE METAL GLAZE	Ŏ	5% 5%	1/8W 1/8W		R230 R231	1-216-097-00 1-216-097-00	METAL GLAZE METAL GLAZE	100K	5% 5%	1/10W 1/10W		
	JR77	1-216-295-00	METAL GLAZE	0	5% 5% 5%	1/10W 1/8W		R232 R233	1-216-081-00 1-216-071-00	METAL GLAZE METAL GLAZE	22K 8.2K	5% 5% 5%	1/10W 1/10W		
	JR78 JR79 JR80	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/8W		R234 R235	1-216-069-00 1-216-073-00	METAL GLAZE METAL GLAZE	6.8K 10K	5% 5%	1/10W 1/10W		
	JR81	1-216-296-00	METAL GLAZE	0	5% 5%	1/8₩		R236 R237	1-216-081-00 1-216-025-00	METAL GLAZE METAL GLAZE	22K 100	5% 5% 5%	1/10W 1/10W		
	JR82 JR83 JR84	1-216-296-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5% 5%	1/8₩ 1/10₩ 1/10₩		R238	1-216-025-00	METAL GLAZE	100 10K		1/10W 1/10W		
	JR85 JR86	1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5%	1/10W 1/8W		R240 R241	1-216-089-00 1-216-057-00	METAL GLAZE METAL GLAZE	47K 2.2K	5% 5% 5%	1/10W 1/10W		
	JR87	1-216-295-00	METAL GLAZE	0	51	1/109		R242 R243	1-216-218-00 1-216-091-00	METAL GLAZE METAL GLAZE	6.8K 56K	5% 5%	1/8W 1/10W		
	JR88 JR89 JR90	1-216-296-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5% 5%	1/8W 1/10W 1/8W		R244 R245	1-216-089-00 1-216-089-00	NETAL GLAZE NETAL GLAZE	47K 47K	51 57	1/10W 1/10W		
	JR91	1-216-295-00	NETAL GLAZE	Ó	5%	1/10W		R247 R248	1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE	10K	57 57 57 57	1/10W 1/10W		
	JR92 JR93 JR100	1-216-296-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0	5%	1/8₩ 1/10₩ 1/10₩		R249 R250	1-216-045-00	METAL GLAZE METAL GLAZE	680 82K		1/10W		
	JR110 JR124	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0	5% 5% 5% 5%	1/10W 1/10W		R251 R252	1-216-065-00 1-216-073-00	METAL GLAZE METAL GLAZE	4.7K 10K	5% 5% 5% 5% 5%	1/10W 1/10W		
	JR234	1-216-295-00	METAL GLAZE	0	5%	1/10W		R253 R254	1-216-073-00 1-216-252-00	METAL GLAZE METAL GLAZE	10K 180K	5% 5%	1/10W 1/8W		
	JW214 R071 R072	1-216-295-00 1-216-041-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 220	5% 5% 5% 5%	1/10W 1/10W 1/10W		R255	1-216-252-00 1-216-182-00	METAL GLAZE METAL GLAZE	180K 220	5% 5%	1/8W 1/8W		
	R073	1-216-033-00	NETAL GLAZE	220		1/10W		R256 R257 R259	1-216-182-00 1-216-049-00	METAL GLAZE METAL GLAZE	220 220 1K	5% 5% 5%	1/8W 1/10W		
	R074 R076	1-216-198-00	METAL GLAZE	1 K 2.2 K	5% 5%	1/8W 1/10W		R260 R300	1-216-049-00	METAL GLAZE	110	5%	1/10W 1/10W		
	R077 R101 R102	1-216-025-00 1-216-025-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 100 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W		R301 R302	1-216-009-00 1-216-029-00 1-216-178-00	METAL GLAZE METAL GLAZE METAL GLAZE	22 150 150	5% 5% 5%	1/10W 1/8W		
	R103	1-216-059-00	METAL GLAZE	2.7K	5% 5%	1/10W		R303 R304	1-216-174-00 1-216-174-00	METAL GLAZE METAL GLAZE	100 100	5% 5%	1/8W 1/8W		
	R105 R108	1-216-073-00 1-216-230-00	NETAL GLAZE	10K 22K	5% 5% 5%	1/10W 1/8W		R305	1-216-035-00	METAL GLAZE	270	57	1/10W		
	R115 R201	1-216-210-00 1-216-653-11	METAL CHIP	3.3K 1.2K	0.50%	1/8W 1/10W		R306 R307 R308	1-216-035-00 1-216-075-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE	270 12K 1M	52 52 52 52 53 53	1/10W 1/10W 1/10W		
	R202 R203	1-216-653-11 1-216-067-00	METAL CHIP METAL GLAZE	1.2K 5.6K	5%	1/10W 1/10W		R309	1-216-001-00	METAL GLAZE	10		I/10W		
	R204 R205 R206	1-216-091-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	56K 0 0	5% 5% 5%	1/10W 1/10W		R310 R311 R312	1-216-001-00 1-216-065-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE	10 4.7K 150	5% 5%	1/10W 1/10W 1/10W		
	R207	1-216-073-00	METAL GLAZE	10K		1/10W		R313 R314	1-216-029-00 1-216-081-00 1-216-033-00	METAL GLAZE METAL GLAZE	150 22K 220	5% 5% 5%	1/10W 1/10W		
	R208 R209	1-216-073-00 1-249-377-11	NETAL GLAZE CARBON CARBON	10K 0.47 100	5% 5% 5% 5%	1/10W 1/4W 1/2W	F	R315 R316	1-216-033-00	METAL GLAZE METAL GLAZE	220 100K	5% 5%	1/10W 1/10W		
	R210	1-247-739-11	CARDUR .	100	24	1/2W		מוכח ו	1-216-097-00	HEIAL GLACE	TOUK	34	1/10#		



Q525 8-729-901-00 TRANSISTOR DTC124EK

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KP-	S461 RM-83	3										∯ The	components iden	tified by							KP-	S4613 RM-832	
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	REF.NO.	PART NO.	DESCRIPTION				NO. PART NO.	DESCRIPTION			REMARK	REF. NO	. PART NO.	DESCRIPTION		RENARK		. PART NO.	DESCRIPTION		REMAR	IK	4
	R320 R321 R324 R325	1-216-029-00 1-216-174-00 1-216-039-00 1-216-049-00 1-216-047-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 57 150 57 100 57 390 57 1K 57	1/10W 1/10W 1/8W 1/10W 1/10W	R41 R41 R41 R41 R41	7 1-216-063-00 9 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	75 5% 470K 5% 3.9K 5% 470K 5%	1/8W 1/10W 1/10W 1/10W 1/10W		R556 R558 R563 R564 R565	1-216-033-00 1-249-385-11 1-216-097-00 1-216-073-00 1-216-055-00	CARBON NETAL GLAZE NETAL GLAZE	2.2 5% I/ 100K 5% I/ 10K 5% I/	10W 4W F 10W 10W		1-215-912-11 1-215-887-00 1-215-912-11 1-216-073-00	METAL OXIDE 150 METAL OXIDE 150 METAL OXIDE 150 METAL GLAZE 10K METAL GLAZE 1.8k	5% 2W 5% 3W 5% 1/	F	-	
	R326 R328 R329 R330 R331 R333	1-216-029-00 1-216-023-00 1-216-053-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820 5% 10K 5% 150 5% 82 5% 1.5K 5% 100K 5% 220 5%	1/10W 1/10W 1/10W 1/10W	R42 R42 R42 R42 R42	3 1-216-015-00 4 1-216-025-00 5 1-216-025-00 6 1-216-025-00	METAL GLAZE METAL GLAZE	39 5% 100 5% 100 5% 100 5% 100 5%	1/IOW 1/IOW 1/IOW 1/IOW 1/IOW		R566 R567 R568 R569 R570	1-216-045-00 1-216-045-00 1-216-045-00 1-216-055-00 1-216-009-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 51 1/ 680 51 1/ 1.8K 51 1/ 22 51 1/	10W 10W 10W 10W 10W	R651 R653 R654 R655	1-216-055-00 1-216-081-00 1-216-081-00	METAL GLAZE 1.8K METAL GLAZE 22K METAL GLAZE 22K METAL GLAZE 4.7K	5% 1/ 5% 1/ 5% 1/	10W 10W 10W		
	R334 R335 R336 R337 R338	1-216-182-00 1-216-025-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 52 220 52 220 52 100 52 0 52 0 52 100 52	1/8W 1/8W 1/10W 1/10W 1/10W	R42 R44 R44 R50 R50	1-216-045-00 7 1-216-049-00 1-247-895-00	METAL GLAZE METAL GLAZE CARBON	10 5X 680 5X 1K 5X 470K 5X 0.47 5X	1/4W 1/10W 1/10W 1/4W 1/4W		R572 R573 R574 R575	1-216-009-00 1-216-049-00 1-216-073-00 1-216-041-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1/ 10K 5% 1/ 470 5% 1/ 330 5% 1/	10W 10W 10W 10W 10W	T501 T502 Z	1-439-545-11	NSFORMER> TRANSFORMER, FERRI TRANSFORMER, HORIZ	TE	1		
:	R349 R340 R341 R342 R343 R344	1-216-025-00	METAL GLAZE METAL GLAZE	100 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R50: R50: R50: R50:	1-249-417-11 1-249-423-13 1-215-920-11 1-249-429-11	CARBON CARBON METAL DXIDE CARBON	0.47 5% 1K 5% 3.3K 5% 3.3K 5% 10K 5%	1/49 1/49 1/49 30 1/49	F	R577 R579 R581 R582 R583 R584	1-216-025-00 1-216-069-00 1-216-033-00 1-216-037-00 1-216-055-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 51 1/ 6.8K 51 1/ 220 52 1/ 330 52 1/	19W 10W 10W 10W	TU101		TUNER (UV916H)				
	R345 R346 R347 R348	1-216-022-00 1-216-022-00 1-216-022-00 1-216-083-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE	75 5% 75 5%	1/10W 1/10W 1/10W 1/10W	R508 R509 R511 R511	1-216-478-11 1-216-073-00 1-249-407-11	METAL GLAZE	2.2 5% 390 5% 10K 5% 150 5% 10K 5%	2W 3W 1/10W 1/4W 1/10W		R586 R587 R588	[1-216-101-00	METAL GLAZE NETAL GLAZE	1.5K 5% 1/ 680 5% 1/ 150K 5% 1/	IOW IOW IOW	X301 X302 X501	1-567-504-11	STAL> OSCILLATOR, CRYSTA OSCILLATOR, CRYSTA VIBRATOR, CERAMIC				
	R349 R350 R351 R352	1-216-020-00 1-216-029-00 1-216-073-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	27K 5X 150 5X 62 5X 150 5X 10K 5X	1/10W 1/10W 1/10W	R513 R515 R516 R517	1-216-441-00 1-249-432-11 1-249-417-11	METAL OXIDE CARBON CARBON	1K 5Z 27K 5Z 18K 5Z 1K 5Z 6.8K 5Z	1/10W 1W 1/4W 1/4W 1/4W		R590 R591 R592 R593	1-216-049-00 1-216-073-00 1-216-083-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 51 1/ 10K 5% 1/ 27K 5% 1/ 3.9K 5% 1/	OW OW OW	*****	1-466-735-11	1F BLOCK (1FH-389F)	*******	*******	*	
	R356 R357 R358	1-216-033-00 1-216-033-00 1-216-041-00 1-216-031-00	METAL GLAZE METAL GLAZE	-220 5x 220 5x 220 5x 470 5x 180 5x 220 5x	1/10W 1/10W 1/10W 1/10W	R518 R519 R520 R521 R522	1-249-417-11 1-215-925-11 1-215-925-11	CARBON METAL OXIDE	2.7% 5% 1% 5% 22% 5% 22% 5% 2.2% 5%	1/4W 1/4W 3W 3W 1/10W		R594 R595 R596 R597 R600	1-216-053-00- 1-216-643-11 1-216-670-11 1-216-081-00 1-216-190-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	1.5K 5% 1/1 470 0.50% 1/1 6.2K 0.50% 1/1 22K 5% 1/1 470 5% 1/8	OM I	C1 C2 C3	1-163-017-00	ACITOR> CERAMIC CHIP 0.0047 CERAMIC CHIP 0.01MF ELECT 1MF	MF 10% 10% 20%	50V 50V 50V		
	R361 R362 R365	1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 220 11 15K 51	1/10W 1/10W 1/10W 1/10W	R523 R524 R525 R526 R527	1-216-083-00 1-216-083-00 1-216-097-00 1-216-067-00 1-249-429-11	METAL GLAZE METAL GLAZE	27K 5% 27K 5% 100K 5% 5.6K 5% 10% 5%	1/10W 1/10W 1/10W 1/10W 1/4W		R606 R609 R610 R611 R613	1-216-049-00 1-216-689-11 1-216-049-00 1-216-295-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1/1 39K 5% 1/1 1K 5% 1/1 0 5% 1/1 1K 5% 1/1	OM OM OM	C4 C5 C6 C7	1-164-232-11	CERANIC CHIP 0.01MF	107 107	50V 50V 50V 50V		
	R367 R368	1-216-067-00 1-216-198-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 5.6K 51 1K 5% 220 5% 220 5%	1/10W 1/8W 1/10W 1/10W	R528 R531 R532 R533	I-216-049-00 1-216-077-00 1-249-385-11	METAL GLAZE METAL GLAZE	1K 57 15K 57 2.2 57 220 57 180 52	1/10W 1/10W 1/10W 1/4W F 1/10W	•	R614 R615 R616 R617 R618	1-216-399-00 1-216-474-11 1-216-035-00 1-216-400-11 1-216-061-00	METAL OXIDE Metal Glaze	6.8 5% 3W 82 5% 3W 270 5% 1/1 8.2 5% 3W 3.3K 5% 1/1	F	C8 C9 C10 C11 C13	1-164-232-11	CERANIC CHIP 0.01MF CERANIC CHIP 0.0047 BLECT 22MF CERANIC CHIP 0.01MF BLECT 47MF CERANIC CHIP 0.01MF	20% 10% 20% 10%	50V 25V 50V 16V 50V		
		1-216-033-00 1-216-017-00 1-216-065-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 220 5% 47 5% 4.7K 5% 1.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R536 R537 R540 R541 R542	1-216-476-11 1-216-476-11 1-216-049-00 1-216-081-00 1-216-081-00	METAL OXIDE METAL GLAZE METAL GLAZE	180 5% 180 5% 18 5% 22K 5% 22K 5%	3W F 1/10W 1/10W 1/10W		R622 R623	1-216-073-00 1-216-399-00 1-216-474-11 1-216-400-11 1-216-073-00	METAL OXIDE METAL OXIDE	10K 5% 1/1 6.8 5% 3W 82 5% 3W 8.2 5% 3W 10K 5% 1/1	E.	C17	1-124-477-11 1-124-903-11 1-163-061-00 1-162-638-11	BLECT 47MF BLBCT 1MF CERAMIC CHIP 0.015M CERAMIC CHIP 1MF	20% 20%	16V 50V 50V		
	R380 :	1-216-057-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 2.2K 5% 2.2K 5% 75 5%	1/10W 1/10W 1/10W 1/8W 1/8W	R543 R544 R545 R546	1-216-049-00 1-216-049-00 1-216-049-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1K 5% 1K 5% 27K 5%	1/10W 1/10W 1/10W 1/10W		R625 R626 R627 R628	1-216-081-00 1-216-033-00 1-216-033-00 1-215-866-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE	22K 5% 1/10 220 5% 1/10 220 5% 1/10)#)#	C19 C20 C21	1-163-141-00 1-124-902-00 1-124-903-11		5% 20% 20%	16V 50V 50V 50V		
	R404 1 R405 1 R406 1	-216-025-00 -216-158-00 -216-025-00 -216-158-00 -216-025-00	METAL GLAZE METAL GLAZE	100 5% 22 5% 100 5% 22 5% 100 5%	1/10W 1/8W 1/10W 1/8W 1/10W	R547 R548 R549 R550 R551	1-216-067-00 1-216-077-00 1-216-073-00 1-249-385-11 1-216-077-00	METAL GLAZE METAL GLAZE CARBON	10K 5% 2.2 5%	1/10W 1/10W 1/10W 1/4W F 1/10W		R631 R632 R635	1-216-488-11 1 1-216-055-00 1 1-216-051-00 1 1-216-400-11 1	METAL OXIDE METAL GLAZE METAL GLAZE METAL OXIDE	18K 5% 3W 1.8K 5% 1/10 1.2K 5% 1/16 8.2 5% 3W	F W W	C23 C24 C25 C26	1-124-902-00 1-164-506-11 1-124-477-11 1-164-232-11	ELECT 0.47MF CERAMIC CHIP 4.7MF ELECT 47MF CERAMIC CHIP 0.01MF	20% 20% 10%	50V 16V 16V 50V		
	R408 1 R410 1 R411 1	-216-093-00 -216-067-00 -216-067-00	METAL GLAZE METAL GLAZE	68K 5% 5.6K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/8W	R552 R553 R554 R555	1-216-073-00 1-216-057-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/4W F		R638 R641 R642 R643	1-216-025-00 1-216-009-00 1-216-073-00 1-216-073-00 1-216-073-00 1-215-887-00	METAL GLAZE 2 METAL GLAZE 1 METAL GLAZE 1 METAL GLAZE 1	100 5% 1/10 22 5% 1/10 10% 5% 1/10 10% 5% 1/10 10% 5% 1/10 150 5% 2W	W W	C28 C33 C34 C35	1-164-232-11 1-124-477-11 1-124-907-11 1-124-907-11 1-124-925-11 1-124-477-11	ELECT JOHF ELECT JOHF ELECT 2.2MF	10% 20% 20% 20% 20% 20%	50V 16V 50V 50V 50V		

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••		PART NO.	DESCRIPTION		MARK REF. N). PART NO.	DESCRIPTION	REMARK		D. PART NO.	DESCRIPTION		REMARK	REF.NO. PART NO.	DESCRIPTIO	DN		REMARK	
	C37 C38 C40 C71	1-164-232-11 1-163-017-00 1-164-232-11	CERANIC CHIP 0.01MF CERANIC CHIP 0.0047MF CERANIC CHIP 0.01MF ELECT 47MF CERANIC CHIP 0.01MF	10% 50% 10% 50% 10% 50% 20% 16% 10% 50%	L101		INDUCTOR 1.5UH INDUCTOR 6.8UH		R55 R56 R57 R58 R59	1-216-065-00 1-216-065-00 1-216-041-00	METAL GLAZE 4.	7K 5% 7K 5% 70 5%	1/10W 1/10W 1/10W 1/10W 1/10W	:	CRYSTAL> 21 VIBRATOR, C			********	
	C80 C83 C84 C85 C86	1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11	BLBCT 47MF BLBCT 47MF BLBCT 47MF BLBCT 47MF BLBCT 47MF BLBCT 47MF	20% 16' 20% 16' 20% 16' 20% 16' 20% 16' 20% 16'	V Q1 V Q4 V Q5 V Q6	8-729-901-59 8-729-120-28 8-729-115-10 8-729-900-52 8-729-216-22	TRANSISTOR 25K105A-10 TRANSISTOR DTC114YK TRANSISTOR 25A1162-G		R60 R61 R63 R71 R72	1-216-295-00 1-216-043-00 1-216-079-00 1-216-079-00 1-216-049-00	METAL GLAZE 56 METAL GLAZE 18 METAL GLAZE 18 METAL GLAZE 1K	5% 50 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	*4-341-751-0 *4-341-752-0	BOARD, CO	****** ~EY107) 08~EY115)	·)		
	C87 C91 C95 C101 C102	1-163-229-11 1-164-337-11 1-163-017-00 1-163-017-00	CERAMIC CHIP 12PF CERAMIC CHIP 2.2MF CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF	5% 50 16 10% 50 10% 50	V Q8 V Q10 V Q11 V Q12 V Q13	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		R74 R75 R76 R77	1-216-025-00 1-216-174-00	METAL GLAZE 18 METAL GLAZE 10 METAL GLAZE 10	8K 5% 8K 5% 90 5% 90 5%	1/10W 1/10W 1/10W 1/8W	C601 1-165-137-9 C602 1-130-317-9	1 FILM	4700PF 0.068MF	10% 5% 20%	500V 100V	
	C104 C105 C106 C121 C122	1-163-017-00 1-163-017-00 1-126-176-11	CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF BLECT 220MF CERAMIC CHIP 120PF	10% 50 10% 50 10% 50 20% 10 5% 50	V Q14	8-729-120-28 8-729-216-22 8-729-104-80	8 TRANSISTOR 25C1623-L5L6 8 TRANSISTOR 25C1623-L5L6 2 TRANSISTOR 25A1162-G 0 TRANSISTOR 25C3355 8 TRANSISTOR 25C3623-L5L6		R81 R82 R83 R84 R85	1-216-025-00 1-216-085-00 1-216-085-00	METAL GLAZE IN METAL GLAZE 10 METAL GLAZE 33 METAL GLAZE 33	1 5% 10 5% 5K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	C603 1-124-634-1 C604 1-124-903-1 C605 1-164-143-1 C606 1-124-563-1 C607 1-124-563-1	I CERAMIC I ELECT	1MF 1MF 0.001MF 2200MF 2200MF	20% 10% 20%	250V 50V 1KV 25V 25V	
	CP1 CF2	1-567-569-11	FILTER, CERANIC FILTER, CERANIC		JR2	<ri 1-216-295-00</ri 	RSISTOR>	1/10W 1/8W	R86 R87 R88 R89 R90	1-216-689-11 1-216-095-00 1-216-095-00 1-216-095-00 1-216-075-00	NETAL GLAZE 82	K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	C608 1-124-810-1 C609 1-137-141-1 C612 1-124-563-1 C613 1-124-557-1	I ELECT I FILM I ELECT	100MF 0.082MF 2200MF	20% 20% 3% 20% 20%	200V 600V 25V	
	CF3 CF4 SWF1 SWF3	1-527-840-00 1-567-570-11 1-579-662-11	PILTER, CERAMIC FILTER, CERAMIC FILTER, SURFACE WAVE SAWP FILTER, SAWTOOTH WAVE		JR3 JR5 R1 R2	1-216-296-00 1-216-025-00 1-216-065-00	O NETAL GLAZE 0 5% O METAL GLAZE 100 5% O METAL GLAZE 4.7K 5%	1/8W 1/10W 1/10W 1/10W	R91 R92 R93 - R94 R95	1-216-295-00 1-216-075-00 1-216-075-00 1-216-059-00 1-216-059-00	METAL GLAZE 12 METAL GLAZE 12	5% K 5% K 5% 7K 5% 7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	C614 1-123-939-0 C615 1-124-798-1 C616 1-124-557-1 L617 1-164-143-1 C618 1-136-853-1	I BLECT I BLECT I CERAMIC	10MF 1MF 1000MF 	20% 20% 20% 10%	200V 160V 25V 1KV 200V	
	SWF4	<con< th=""><th>INECTOR> PIN, CONNECTOR 10P PIN, CONNECTOR 10P</th><th></th><th>R4 R5 R6 R8</th><th>1-216-041-00 1-216-021-00 1-216-055-00 1-216-051-00</th><th>O METAL GLAZE 68 5% O METAL GLAZE 1.8N 5% O METAL GLAZE 1.2K 5% O METAL GLAZE 6.8K 5%</th><th>1/10W 1/10W 1/10W 1/10W 1/10W</th><th>R96— R97 R98 R99 R100</th><th>1-216-059-00-</th><th>METAL GLAZE 2. METAL GLAZE 2. METAL GLAZE 2. METAL GLAZE 2.</th><th>7K 5X 2K 5X 2K 5X</th><th>1/10W 1/10W 1/10W 1/10W 1/10W 1/10W</th><th>C619 1-164-735-1 -C6201-136-721-2 C621 1-164-143-1 C622 1-136-853-1 C623 1-137-087-1</th><th>1 CAP, CERAMIC 1 FILM 1 CERAMIC 1 FILM 1 FILM</th><th>C 1500PF 1.5MF 0.001MF 0.56MF</th><th>10% 10% 5%</th><th>1KV 200V</th><th></th></con<>	INECTOR> PIN, CONNECTOR 10P PIN, CONNECTOR 10P		R4 R5 R6 R8	1-216-041-00 1-216-021-00 1-216-055-00 1-216-051-00	O METAL GLAZE 68 5% O METAL GLAZE 1.8N 5% O METAL GLAZE 1.2K 5% O METAL GLAZE 6.8K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R96— R97 R98 R99 R100	1-216-059-00-	METAL GLAZE 2. METAL GLAZE 2. METAL GLAZE 2. METAL GLAZE 2.	7K 5X 2K 5X 2K 5X	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	C619 1-164-735-1 -C6201-136-721-2 C621 1-164-143-1 C622 1-136-853-1 C623 1-137-087-1	1 CAP, CERAMIC 1 FILM 1 CERAMIC 1 FILM 1 FILM	C 1500PF 1.5MF 0.001MF 0.56MF	10% 10% 5%	1KV 200V	
	CTI	<tri< td=""><td>IMMER> TRAP, CERAMIC TRAP, CERAMIC</td><td></td><td>R10 R11 R24 R25</td><td>1-216-059-0 1-216-280-0 1-216-057-0 1-216-061-0</td><td>00 METAL GLAZE 2.7% 5% 00 METAL GLAZE 2.7% 5% 00 METAL GLAZE 2.2% 5% 00 METAL GLAZE 3.3% 5%</td><td>1/10W 1/8W 1/10W</td><td>R102 R103 R104 R105 R121</td><td>1-216-065-00 1-216-063-00 1-216-049-00 1-216-033-00 1-216-073-00</td><td>METAL GLAZE 3.1 METAL GLAZE 1K METAL GLAZE 220</td><td>9K 5% 5% 0 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td>C624 1-124-171-0 C625 1-126-183-1 C626 1-124-472-1 C627 1-124-480-1 C628 1-165-137-9</td><td>I BLECT I BLECT I BLECT</td><td>100MF 1000MF 470MF 470MF</td><td>20% 20% 20% 20%</td><td>160V 16V 6.3V 25V</td><td></td></tri<>	IMMER> TRAP, CERAMIC TRAP, CERAMIC		R10 R11 R24 R25	1-216-059-0 1-216-280-0 1-216-057-0 1-216-061-0	00 METAL GLAZE 2.7% 5% 00 METAL GLAZE 2.7% 5% 00 METAL GLAZE 2.2% 5% 00 METAL GLAZE 3.3% 5%	1/10W 1/8W 1/10W	R102 R103 R104 R105 R121	1-216-065-00 1-216-063-00 1-216-049-00 1-216-033-00 1-216-073-00	METAL GLAZE 3.1 METAL GLAZE 1K METAL GLAZE 220	9K 5% 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	C624 1-124-171-0 C625 1-126-183-1 C626 1-124-472-1 C627 1-124-480-1 C628 1-165-137-9	I BLECT I BLECT I BLECT	100MF 1000MF 470MF 470MF	20% 20% 20% 20%	160V 16V 6.3V 25V	
	CT2 CV1 CV2 CV3	1-141-245-00 1-141-245-00 1-141-304-21	CAP, TRIMMER CAP, TRIMMER TRIMMER, CERAMIC		R27 R28 R29 R30	1-216-266-0 1-216-075-0 1-216-035-0	10 METAL GLAZE 680K 57 10 METAL GLAZE 12K 57 10 METAL GLAZE 270 57 10 METAL GLAZE 1K 57	1/8W 1/10W 1/10W 1/10W	R122 R123 R124 R125 R301	1-216-065-00 1-216-041-00 1-216-041-00 1-216-041-00 1-216-049-00	METAL GLAZE 4.0 METAL GLAZE 470 METAL GLAZE 470 METAL GLAZE 470	7K 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W	C629 1-124-618-1 C630 1-164-085-1 C631 1-124-910-1 C632 1-124-903-1	1 BLECT 1 CERANIC 1 BLECT 1 BLECT	2200MF 0.001MF 47MF 1MF	20% 10% 20% 20%	35 V 50 V 50 V 50 V	
	D7 D8 D9	8-719-421-57	DIGDE MA73-TX DIGDE MA73-TX DIGDE MA73-TX		R32 R33 R34 R35	1-216-043-0 1-216-037-0 1-216-252-0 1-216-035-0	00 METAL GLAZE 560 5% 00 METAL GLAZE 330 5% 00 METAL GLAZE 180% 5% 00 METAL GLAZE 270 5%	1/10W 1/10W 1/8W 1/10W	R302 R303 R304 R305	1-216-049-00 1-216-049-00 1-216-037-00 1-216-049-00	METAL GLAZE IK METAL GLAZE IK METAL GLAZE IK	5% 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	C633 1-130-483-00 C634 1-124-477-1 C636 1-129-726-00 C643 1-124-935-1 C646 1-124-907-1	I BLECT D FILM I BLECT I BLECT	0.01MF 47MF 0.1MF 470MF 10MF	5% 20% 10% 20% 20%	50V 16V 630V 100V 50V	
	1C1 1C2 1C3	<1C 8-759-070-75 8-759-070-71 8-759-979-62	1C W52312SP		R36 R37 R38 R39	1-216-049-0 1-216-099-0 1-216-089-0	00 NETAL GLAZE 150 52 00 METAL GLAZE 1K 52 00 METAL GLAZE 120K 52 00 METAL GLAZE 47K 52 00 NETAL GLAZE 1K 52	1/10W 1/10W 1/10W	R306 R307 R308	1-216-025-00 1-216-037-00 1-216-037-00	METAL GLAZE 330	0 5%	1/10W 1/10W 1/10W	C647 1-124-618-1 C648 1-124-618-1 C660 1-164-085-1 C661 1-101-006-00 C662 1-124-477-1	I ELECT I CERANIC CERANIC	2200MF 2200MF 0.001MF 0.047MF 47MF	20% 20% 10% 20%	35V 35V 50V 50V 16V	
	1.1	<00 1-408-419-00	IL>		R42 R43 R44 R45 R46	1-216-067-0 1-216-027-0 1-216-041-0	00 METAL GLAZE 3.3K 5% 00 METAL GLAZE 5.6K 5% 00 METAL GLAZE 120 5% 00 METAL GLAZE 470 5% 00 METAL GLAZE 180 5%	1/10A 1/10A 1/10A 1/10A 1/10A	RV2	1-241-120-11	IABLE RESISTOR> RES, ADJ, CARBON	2.2K		C663 1-126-105-11 C664 1-124-618-11 C665 1-129-726-00 C670 1-164-085-11 C680 1-125-497-11	I ELECT) FILM	1000MF 2200MF 0.1MF 0.001MF 100MF	20% 20% 10% 10% 20%	35V 35V 630V 50V 400V	
	L2 L3 L4 L5	1-408-419-00 1-408-407-00 1-408-419-00 1-408-419-00	INDUCTOR 68UH INDUCTOR 6.8UH INDUCTOR 68UH INDUCTOR 68UH		R4' R4' R5'	1-216-081-0 1-216-049-0 1-216-083-0	00 METAL GLAZE 12K 5X 00 METAL GLAZE 2ZX 5X 00 METAL GLAZE 1K 5X 90 METAL GLAZE 27K 5X 00 METAL GLAZE 560 5X	1/10W 1/10W 1/10W 1/10W 1/10W	T1 T3 T4	1-404-806-21 1-416-012-11 1-416-012-11	COIL			C693 1-124-910-11		47HF		50V	
	L7 L9	1-408-406-00 1-408-419-00			1 43	1 60 014 1	AA 1881 AB 188							CN1605*1-568-879-51	PIN, COMMECT	OR 4P			

The components identified by shading and mark Δ are critical for safety.

Replace only with part number specified.

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E.	The components identified by	E
1	shading and mark A are criti-	
B.	cal for safety.	ľ
1	Replace only with part number	į
1	specified.	ľ

	cal for safety.	shading and mark are criti-		HW-832
G	Replace only with part number specified.	Replace only with part number specified.		G CR
REF.NO. PART NO. DESCRIPTION REMARK	REF.NO. PART NO. DESCRIPTION REMARK	REF.NO. PART NO. DESCRIPTION REMA	ARK REF.NO. PART NO. DESCRIPTION	REMARK
CN1627*1-564-512-11 PLUG, CONNECTOR 9P CN1628*1-568-881-51 PIN, CONNECTOR 6P CN1650*1-568-878-51 PIN, CONNECTOR 3P CN1651*1-568-7765-00 PIN, CONNECTOR (SNN PITCH) 3P CN1652*1-564-511-51 PLUG, CONNECTOR 8P	IC601A 8-749-921-89 IC SE115N IC605 8-759-982-21 IC RC78L05A IC606 8-759-506-79 IC 1R3N02	R629 1-216-389-11 METAL OXIDE 1 5% 3W F R631 1-249-417-11 CARBON 1K 5% 1/4W F R632 1-214-913-00 METAL 100K 1% 1/2W R633 1-249-429-11 CARBON 10K 5% 1/4W	T607 ▲ 1-424-436-11 TRANSFORMER, LINE FILTER T608 ▲ 1-423-325-11 TRANSFORMER, FERRITE (SBT	
CN1653*1-568-879-81 PIN, CONNECTOR 4P CN1654*1-564-508-11 PLUG, CONNECTOR 5P CN1655*1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P CN1656*1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P <d10de></d10de>	COOLS L602 1-459-862-11 COIL, CHOKE 90UH L603 1-459-862-11 COIL, CHOKE 90UH L604 1-408-404-90 INDUCTOR 3.9UH L605 1-412-526-11 INDUCTOR 12UH L606 1-459-862-11 COIL, CHOKE 90UH	R638 1-249-405-11 CARBON 100 ST 1/4W F R640 1-249-421-11 CARBON 2.2K 5% 1/4W F R641 1-249-429-11 CARBON 10K 5% 1/4W R642 1-215-421-00 METAL 1K 1% 1/4W R643 1-260-123-11 CARBON 100K 5% 1/2W	*A-1331-228-A CR BOARD, COMPLETE *4-341-751-0 EVELET (EY1-EY3) 4-373-933-01 SHEET (TRANSISTOR), BN	
D602 8-719-979-58 D10DE BGP10D D603 8-719-500-67 D10DE D5KC40H D604 8-719-510-09 D10DE D10SC6MR D605 8-719-925-81 D10DE D10SC6MR	L607 1-408-404-00 INDUCTOR 3.9UH L610 1-424-602-11 COIL, CHOKE 800UH L611 1-412-546-41 HMDUCTOR 560UH L612 1-412-54-11 INDUCTOR 180UH L613 1-412-522-21 INDUCTOR 5.6UH	B644 1-249-415-11 CARRON 680 5\frac{5\frac{7}{2}}{1/4\text{4W}} \ B645 1-249-417-11 CARRON 1\frac{7}{2}\text{5\frac{7}{2}} 1/4\text{4W} \ B646 1-202-933-61 FUSIBLE 0.1 10\frac{7}{2}\text{1/2W} \ F647 1-202-933-61 FUSIBLE 0.1 10\frac{7}{2}\text{1/2W} \ F649 1-249-247-11 CARRON 3.9\text{4\frac{7}{2}}\text{5\frac{7}{2}} 1/4\text{4W} \ B650 1-249-377-11 CARRON 0.47 5\frac{7}{2}\text{1/4W} \ F	<capacitur></capacitur>	10% 2KV
D608 8-719-109-85 DIODE RD5.1BS-B2 D609 8-719-921-42 DIODE RT5.1-5.1A D610 8-719-979-58 DIODE EGPIOD D611 8-719-979-58 DIODE EGPIOD D613 8-719-303-57 DIODE RUZAM	<pre></pre>	B651 1-215-429-00 METAL 2.2K 1% 1/4W R652 1-215-472-00 METAL 130K 1% 1/4W R654 1-215-436-00 METAL 4.3K 1% 1/4W R655 1-249-426-11 CARBON 5.6K 5% 1/4W	C703 1-102-050-00 CERAMIC 0.01MF C704 1-162-115-00 CERAMIC 330PF C705 1-130-479-00 MYLAR 0.0047MF	10% 2KV 20% 250V 500V 10% 2KV 5% 50V
D614 8-719-979-58 D10DE EGP10D D615 8-719-975-76 D10DE 58-140 D616 8-719-025-81 D10DE S3V10SB D617 8-719-110-03 D10DE RD7.5ES-B2 D618 8-719-911-19 D10DE ISS119	Q608	R657 1-216-386-11 METAL OXIDE 0.56 5% 3W F R658 1-216-386-11 METAL OXIDE 0.56 5% 3W F R660 1-249-433-11 CARBON 470 5% 1/4W R666 1-249-377-11 CARBON 0.47 5% 1/4W F	C707 1-101-006-00 CERANIC 0.047MF C709 1-124-120-11 BLECT 220MF C710 1-124-120-11 BLECT 220MF C711 1-102-112-00 CERANIC 330PF	50V 20X 16V 20X 16V 0X 50V
0619 8-719-975-76 D10DE SB-140 0620 A.8-719-988-31 D10DE D10SC6MR 0621 8-719-911-55 D10DE U05G 0622 8-719-911-55 D10DE U05G 0623 8-719-922-18 D10DE MTZJ-24C D624 8-719-109-89 D10DE RD5.6ES-B2	Q614 8-729-209-15 TRANSISTOR 2502012 Q618 8-729-201-15 TRANSISTOR 25C4582MP Q615 8-729-208-29 TRANSISTOR 25A1208-5 Q616 8-729-208-39 TRANSISTOR 25A1306A-Y Q618 8-729-119-76 TRANSISTOR 25A1175-HPB Q618 8-729-119-76 TRANSISTOR 25A1175-HPB Q618 8-729-119-76 TRANSISTOR 25A1175-HPB Q618 RANSISTOR 25A1175-HPB Q618 RANSISTOR 25A1175-HPB Q618 RANSISTOR 25A1175-HPB	N672 -215-415-00 METAL 560 1% 1/40 R673 -215-429-00 METAL 2.2K 1% 1/40 R674 1-249-433-11 CARBON 22K 5% 1/40 R675 1-249-377-11 CARBON 0 47 5% 1/40	CRI *1-508-784-00 PIN, CONNECTOR (5MM PITCH) CR3 *1-508-765-00 PIN, CONNECTOR (5MM PITCH) CR4 *1-564-511-11 PLUC, CONNECTOR 8P CR15 *1-568-880-71 PIN, CONNECTOR 5P	1P 3P
D626 8-719-911-55 D10DE UD66 D628 8-719-110-49 D10DE RD18ES-B2 D629 8-719-911-19 D10DE D1SS119 D630 & 8-719-510-09 D10DE D10SC6M	Q620	R677 1-249-425-11 CARBON 4.7K 5½ 1/4W R678 1-249-433-11 CARBON 22K 5½ 1/4W R679 1-215-457-00 METAL 33K 1½ 1/4W	<pre><picture socket="" tube=""> CRT701& 1-251-026-11 SOCKET, PICTURE TUBE </picture></pre> <pre><piode></piode></pre>	
D631	<pre></pre>	R683 1-215-429-00 METAL 2.2K 1X 1/4W R684 1-215-421-00 METAL 1K 1X 1/4W R686 1-249-377-11 CARBON 0.47 5X 1/4W F	D701	
D639 8-713-981-00 D10DE BKC81-004 D640 8-719-910-09 D10DE	R605 1-249-428-11 CARBON 8.2K 5% 1/4W R606 1-219-49-90 CARBON 180K 5% 1/2W R607 1-249-418-11 CARBON 1.2K 5% 1/4W F R609 1-249-418-11 CARBON 1.2K 5% 1/4W F R611 1-249-418-11 CARBON 1.2K 5% 1/4W F R612 1-202-883-11 SOLID 680K 20% 1/2W R613 1-216-386-11 METAL ONIDE 0.56 5% 3W F R614 1-249-418-11 CARBON 1.2K 5% 1/4W R615 1-215-436-00 METAL 4.3K 1% 1/4W 1/4W R615 1-215-436-00 METAL 4.3K 1% 1/4W 1/	R687 1-249-417-11 CARBON 1K 5X 1/4W F R690 1-216-482-11 METAL OXIDE 1.8K 5X 3W F R691 1-249-421-11 CARBON 2.2K 5X 1/4W R692 1-215-436-00 METAL 4.3K 1Z 1/4W R694 1-249-421-11 CARBON 2.2K 5X 1/4W R697 1-249-327-11 CARBON 1.2 5X 1/4W F R699 1-249-377-11 CARBON 0.47 5X 1/4W D706 8-719-911-19 DIODE ISS119 D707 8-719-921-88 DIODE MTZJ-13B		
PB602 1-410-397-21 FERRITE BEAD INDUCTOR FB603 1-410-397-21 FERRITE BEAD INDUCTOR FB604 1-410-396-41 FERRITE BEAD INDUCTOR FB606 1-410-397-21 FERRITE BEAD INDUCTOR FB607 1-410-397-21 FERRITE BEAD INDUCTOR	R616 1-214-742-00 METAL 3.6K 1% 1/4W R617 1-216-356-00 METAL OXIDE 3.9 5% 1W F R618 1-249-418-11 CARBON 1.2K 5% 1/4W	<pre><variable resistor=""> RV60I 1-241-627-11 RES, ADJ, CARBON 1K RV603 1-241-627-11 RES, ADJ, CARBON 1K</variable></pre>	L701 1-408-429-00 INDUCTOR 470UH L702 1-408-159-00 COIL, SPOOK CHOKE 3.3UH L703 1-408-159-00 COIL, SPOOK CHOKE 3.3UH L704 1-408-413-00 INDUCTOR 22UH	
FB608 1-410-396-41 FERRITE BEAD INDUCTOR FB609 1-410-397-21 FERRITE BEAD INDUCTOR FB612 1-410-397-21 FERRITE BEAD INDUCTOR FB622 1-410-397-21 FERRITE BEAD INDUCTOR FB623 1-410-397-21 FERRITE BEAD INDUCTOR	R619 1-216-444-11 METAL OXIDE 82K 5½ 1	<relay> RY601A-1-515-805-11 RELAY, POWER <transformer></transformer></relay>	<pre><neon lamp=""> NL701 I-519-108-99 LAMP, NEON NL702 I-519-108-99 LAMP, NEON</neon></pre>	
PB630 1-410-396-41 FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR <1C>	R625	T601 & 1-423-326-11 TRANSFORMER, CONVERTER (PIT) 1603 & 1-424-020-11 PRT 1604 & 1-450-149-11 TRANSFORMER, REATER 1605 & 1-421-862-11 LFT 1606 & 1-423-327-11 TRANSFORMER, CONVERTER	CTRANSISTOR> Q701 8-729-119-78 TRANSISTOR 25C2785-HFE Q702 8-729-119-78 TRANSISTOR 25C2785-HFE Q703 8-729-119-80 TRANSISTOR 25C2688-LK Q704 8-729-255-12 TRANSISTOR 25C2551-0 Q705 8-729-200-17 TRANSISTOR 25A1091-0	

The components identified by shading and mark A are critical for safety.

Replace only with Replace only with part number specified.

The components identified by shading and mark A are critical for safety. Replace only with part number

specified.

KP-S4613 RM-832

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EF.NO. PART NO. DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARI	
***************************************		*********		<8.65	SISTOR>					
*A-1331-230-A CW BOARD, CONP ************************************	PLETE ***** EY15) EY13) STOR), BN		R761 R762 R763 R764 R765	1-202-847-00 1-202-814-11 1-202-818-00 1-202-842-11 1-202-828-11	SOLID	560K 33K 1K 220K 6.8K	20% 20% 20% 20% 20% 20%	1/2W 1/2W 1/2W 1/2W 1/2W		
*4-389-343-01 SPRING			R767	1-202-561-00 1-216-510-11 1-249-405-11	SOLID METAL OXIDE CARBON	330	107	1/2W 5W 1/4W	F	
C761 1-162-115-00 CERANIC 3	330PF 10% 22MF 20% 0.01MF	28 V 250 V	R769 R770	1-249-405-11 1-215-927-00	CARBON METAL OXIDE	100 47K	5% 5% 5%	1/4W 3W	E E	
C764 1-162-115-00 CERANIC 3 C765 1-130-479-00 MYLAR 0	330PF 10% 0.0047NF 5%	500V 2KV 50V	R771 R772 R774 R776	1-249-405-11 1-249-421-11 1-249-401-11 1-249-405-11 1-249-399-11	CARBON CARBON CARBON CARBON	100 2.2K 47 100	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	F	
C766 1-101-006-00 CERANIC 0 C767 1-101-006-00 CERANIC 0 C769 1-124-120-11 ELECT 2 C770 1-124-120-11 ELECT 2	0.047MF 0.047MF 220MF 20% 220MF 20% 330PF 10%	50V 50V 16V 16V	R777 R778 R779	1-249-399-11 1-249-412-11 1-249-415-11	CARBON	33 390 680		1/4W 1/4W 1/4W		
	330PF 10%	SÖŸ	R780 R781 R782	1-249-405-11 1-249-409-11 1-215-423-00	CARBON	100 220 1.2K	5% 5% 5% 1%	1/4W 1/4W 1/4W		
CONNECTOR> CB1 *1-508-784-00 PIN, CONNECTOR CB3 *1-508-765-00 PIN, CONNECTOR CB4 *1-564-511-11 PLUG, CONNECTOR CB5 *1-564-511-11 PLUG, CONNECTOR	t (5MM PITCH) 1P t (5MM PITCH) 3P JR 8P		R784	1-215-433-00 1-215-429-00 1-215-418-00	METAL METAL METAL	3.3K 2.2K 750	1 % 1 % 1 %	1/4W 1/4W 1/4W		
CB5 *1-564-511-11 PLUG, CONNECTO CB17 *1-568-880-61 PIN, CONNECTOR	JR 8P 1 SP			<spa< td=""><td>RK GAP></td><td></td><td></td><td></td><td></td><td></td></spa<>	RK GAP>					
<picture socke<="" td="" tube=""><td>iT></td><td></td><td>SG761 SG762</td><td>1-519-422-11 1-519-422-11</td><td>GAP, SPARK GAP, SPARK</td><td></td><td></td><td></td><td></td><td></td></picture>	i T >		SG761 SG762	1-519-422-11 1-519-422-11	GAP, SPARK GAP, SPARK					
CRT761 <u>A</u> I-251-026-11 SUCKET, PICTU	IRE TUBE			***********		*****	****	******	******	*
<diqde></diqde>				*1-644-278-12	DS BOARD					
D761 8-719-911-19 DIODE 1SS119 D762 8-719-911-19 DIODE 1SS119				<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td></td></cap<>	ACITOR>					
D763 8-719-911-19 D10DE ISS119 D764 8-719-911-19 D10DE ISS119 D765 8-719-911-19 D10DE ISS119			C1745 C1746 C1747	1-126-101-11 1-126-101-11 1-126-101-11 1-126-101-11	BLECT BLECT BLECT	100KF 100KF 100KF		20% 20% 20%	16V 16V 16V	
0766 8-719-911-19 DIODE ISS119 0768 8-719-911-19 DIODE ISS119			C1130	I-126-101-11 I-126-233-11	BLBUI	100 MF 100 MF 100 MF 100 MF 22 MF		207 207 207 207 207	16V 25V	
<coil></coil>			C1752	1-126-101-11 1-126-233-11 1-126-233-11	BLECT	22MF 22MF		20% 20%	16V 25V 25V	
.761 1-408-429-00 INDUCTOR .762 1-408-159-00 COIL, SPOOK CH .763 1-408-159-00 COIL, SPOOK CH	IOKE 3.3UH IOKE 3.3UH		C1851	1-102-074-00	CERANIC	0.001W	F	10%	50V	
.764 1-408-413-00 INDUCTOR	44U8		DS6	1-691-182-11	NECTOR> Connector (Bo	DARD TO	BOARI	D) 12P		
<pre><neon lamp=""> #L761 1-519-108-99 LAMP, NEON</neon></pre>				<10>						
1.762 1-519-108-99 LAMP, NEON			IC1711	8-759-111-69 8-759-602-19 8-759-111-69						
<transistor></transistor>			101713	8-759-111-69	IC UPC1037HA					
1761	2785-HFE		81840	<pre><res 1-215-421-00="" 1-215-433-00="" 1-215-445-00="" 1-215-455-00<="" 1-215-465-00="" pre=""></res></pre>	ISTOR>	10K 3.3K 68K 1K 27K	14	1/42		
1764 8-729-255-12 TRANSISTOR 2SC			11540	1-412-442-00	METAL METAL METAL METAL METAL	1UK	1.6	1/4W 1/4W		

R		CG								Americal Company	Advantantori
		PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		RENARK
	07 06 ;"	8-729-200-17	TRANSISTOR 2S	A1091-0			CRT7314	L1-251-026-11	SOCKET, PICTU	RE TUBE	
		<res!< td=""><td>STOR></td><td></td><td></td><td></td><td>į</td><td><0100</td><td>E></td><td></td><td></td></res!<>	STOR>				į	<0100	E>		
	R701 R702 R703 R704 R705	1-202-847-00 1-202-814-11 1-202-818-00 1-202-842-11 1-202-828-11	SOLID SOLID SOLID SOLID	560K 20% 33K 20% 1K 20% 220K 20% 6.8K 20%	1/2W 1/2W 1/2W 1/2W 1/2W		D731 D732 D733 D734 D735	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		
	R706 R707 R708 R709 R710	1-202-561-00 1-216-510-11 1-249-405-11 1-249-405-11 1-215-927-00	SOLID METAL OXIDE CARBON CARBON METAL OXIDE	330 5% 8.2K 5% 100 5% 100 5% 47K 5%	1/2W 5W 1/4W 1/4W 3W	1 1 1	D736 D737	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119		
	R711 R712 R714 R716 R717	1-249-405-11 1-249-421-11 1-249-401-11 1-249-405-11 1-249-399-11	CARBON CARBON CARBON CARBON CARBON	100 5% 2.2K 5% 47 5% 100 5% 33 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F	L731 L732 L733 L734	1 400 420 00	INDUCTOR COIL, SPOOK COIL, SPOOK COIL, SPOOK COIL, SPOOK COIL	470UH HOKE 3.3UH HOKE 3.3UH 22UH	
	R718 R719 R720 R721 R722	1-249-412-11 1-249-407-11 1-249-405-11 1-249-409-11 1-215-423-00	CARBON CARBON CARBON CARBON METAL	390 5% 150 5% 100 5% 220 5% 1.2% 1%	1/4W 1/4W 1/4W 1/4W 1/4W		NL731 NL732	<neo 1-519-108-99 1-519-108-99</neo 	N LAMP> LAMP, MEON LAMP, MEON		
	R724	1-215-429-00	METAL	2.2K 1%	1/49			<tra< td=""><td>NSISTOR></td><td></td><td></td></tra<>	NSISTOR>		
	RV701	< VA 1 1-249-410-11	RIABLE RESISTO CARBON	0R> 270 5%	1/49		Q731 Q732 Q733 Q734 Q735	8-729-119-78 8-729-119-78 8-729-119-80 8-729-255-12 8-729-200-17	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C2551-0	
			ARK GAP>				Q736	8-729-200-17	TRANSISTOR 25	SA1091-0	
		1-519-422-11 1-519-422-11						<res< td=""><td>SISTOR></td><td></td><td></td></res<>	SISTOR>		
	*****		CG BOARD, CO	OMPLETE		*****	R731 R732 R733 R734 R735	1-202-847-00 1-202-814-11 1-202-818-00 1-202-842-11 1-202-828-11	SOLID SOLID SOLID SOLID SOLID	560K 20X 33K 20X 1K 20X 220K 20X 6.8K 20X	1/2W 1/2W 1/2W 1/2W 1/2W
		*4-389-343-01		-EY8) SISTOR), B	4		R736 R737 R738 R739 R740	1-202-561-00 1-216-510-11 1-249-405-11 1-249-405-11 1-215-927-00	METAL OXIDE	330 5% 8.2% 5% 100 5% 100 5% 47% 5%	1/2W 5W F 1/4W F 1/4W F 3W F
	C731 C732 C733 C734 C735	1-162-115-00 1-123-948-00 1-102-050-00 1-162-115-00 1-130-479-00	CERAMIC CERAMIC	330PF 22MF 0.01MF 330PF 0.0047MF	10% 20% 10%	2KV 250V 500V 2KV 50V	R741 R742 R744 R745 R746	1-249-405-11 1-249-421-11 1-249-401-11 1-215-455-00 1-249-405-11	CARBON CARBON CARBON	100 5% 2.2K 5% 47 5% 27K 1% 100 5%	1/4W F 1/4W F 1/4W 1/4W
	C736 C737 C739 C740 C741	1-101-006-00 1-101-006-00 1-124-120-1 1-124-120-1 1-102-112-00	CERAMIC CERAMIC ELECT ELECT	0.047MF 0.047MF 220MF 220MF 330PF	20% 20% 10%	50V 50V 16V 16V 50V	R747 R748 R749 R750 R751	1-249-409-11	CARBON CARBON CARBON CARBON	33 5% 390 5% 270 5% 100 5% 220 5%	1/4W 1/4W 1/4W 1/4W 1/4W
		<0	ONNECTOR>				R752 R754		METAL METAL	1.2K 17 2.2K 17	1/4W 1/4W
	CG1 CG3 CG16	*1-508-784-0 *1-508-765-0 *1-568-880-8	O PIN, CONNEC O PIN, CONNEC I PIN, CONNEC	CTOR (5MM P CTOR (5MM P CTOR 5P	PITCH) IP PITCH) 3P		SG73	<si 1 1-519-422-11 2 1-519-422-11</si 	PARK GAP> GAP, SPARK GAP, SPARK		
				0.000			i				

<PICTURE TUBE SOCKET>

RM-832	_												
Ds D	1												
REF.NO. PA	RT NG.	DESCRIPTION			4	REMARK	REF.NO.	PART NO.	DESCRIPTION	(REMARK	
	215-455-00 215-421-00	METAL METAL	27K 1K	17	1/4W 1/4W		C1703	1-124-907-11	ELECT	10MF	20%	50V	
R1850 1- R1851 1-	215-461-00 215-461-00 215-429-00	METAL METAL METAL	47K 47K 2.2K	17 17 17	1/4W 1/4W 1/4W		C1704 C1705 C1706	1-123-875-11 1-102-963-00 1-102-963-00	ELECT CERANIC CERANIC	10MF 33PF 33PF	20% 5% 5%	50V 50V 50V	

R1846	1-215-421-00	KETAL	1K	12	1/4W	C1705	1-124-907-11	EFECI	TONE	20%	501	
R1850		METAL	47K	17	1/4₩	C1704	1-123-875-11	ELECT	IONF	20%	507	
R1851		METAL	47K	17	1/4W	C1705	1-102-963-00	CERANI C	33PF	5%	50¥	
R1852	1-215-429-00	METAL	2.2K	17	1/4W	C1706	1-102-963-00	CERANI C	33PF	5%	50V	
01053	1 A1F 308 6A 1	MCB ()	100			C1707	1-102-963-00	CERANI C	33PF	5%	50Y	
R1853		METAL	100	17	1/49	C1708	1-102-963-00	CERAMI C	33PF	5%	50Y	
R1854 R1855		METAL Metal	2.2K 100	17	1/4W : 1/4W	C1700	1 100 002 00	CERTMIC	2200	PW	FOU	
R1940		METAL	10K	12	1/49	C1709 C1710	1-102-963-00 1-102-963-00	CERANIC CERANIC	33PF 33PF	5% 5%	50V	
R1941		METAL	3.3K	iĝ	1/49	C1711	1-126-233-11	ELECT	22WF	20%	50V 50V	
117741	1-213-433-00 1	un i un	J. JA	14	1/4₩	C1712	1-126-233-11	ELECT	22MF	202	25V	
R1942	1-215-421-00	KETAL	1 K	1%	1/4W	C1713	1-102-074-00	CERAMIC	0.001KF	102	50V	
R1943		TETAL .	68K	iž	1/49	*****	2 200 011 00	Opinini V	0.002111	104	501	
R1944	1-215-421-00	METAL	1K	îŽ	1/49	C1714	1-124-478-11	ELECT	100MF	20%	25V	
R1945		KETAL	27K	1%	1/4₩	C1715	1-124-478-11	ELECT	100MF	20%	25V	
R1946	1-215-455-00	(ETAL	27K	1%	1/4₩	C1716	1-126-803-11	ELECT	47MF	20%	25₹	
						C1717	1-126-803-11	ELECT	47HF	20%	25V	
					j	C1718	1-102-074-00	CERAMIC	0.001NF	10%	50V	
	<varia< td=""><td>ABLE RESISTOR</td><td>(></td><td></td><td></td><td>01510</td><td></td><td>01.040</td><td></td><td></td><td></td><td></td></varia<>	ABLE RESISTOR	(>			01510		01.040				
RV983	1-241-630-11 R	DE ANT CAT	DON 100			C1719	1-124-234-00	ELECT	22MF	20%	167	
RY984		RES, ADJ, CAF RES, ADJ, CAF				C1720	1-130-491-00	MYLAR	0.047MF	5% 5%	50¥	
B1709	1-241-030-11 H	183, ADJ, CAI	DOM TON			C1721	1-130-491-00	MYLAR	0.047NF	2%	50V	

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	*A-1341-579-A	D BOARD, CO				C1725 C1726	1-102-963-00 1-124-122-11	CERANS C ELECT	33PF 100MF	5% 20%	50V 35V
	*4-341-751-01 4-382-854-11 *4-395-527-01	EYELET (EY1- SCREW (M3X10 HOLDER (B),)). P. SW (+)		C1727 C1728 C1729	1-102-963-00 1-102-963-00 1-106-367-00	CERAMIC CERAMIC MYLAR	33PF 33PF 0.01MF	5% 5% 10%	50V 50V 200V
		ACITOR>	***			C1730 C1731 C1732 C1733	1-102-963-00 1-124-122-11 1-106-367-00 1-102-963-00	CERANIC ELECT MYLAR CERANIC	33PF 100MF 0.01MF 33PF	5% 20% 10% 5%	50V 35V 200V 50V
0901	1-126-320-11	ELECT	10MF	20%	16V	C1734	1-102-963-00	CERANIC	33PF	52	50V
0902 0903 0904 0905	1-124-477-11 1-130-471-00 1-130-471-00 1-124-477-11	HYLAR MYLAR MYLAR ELECT	47MF 0.001MF 0.001MF 47MF	20% 5% 5% 20%	16V 50V 50V 16V	C1735 C1736 C1737 C1738	1-124-122-11 1-106-367-00 1-124-937-91 1-124-122-11	ELECT MYLAR ELECT ELECT	100WF 0.01MF 10MF 100MF	20% 10% 20% 20%	35V 200V 16V 35V
2906 2907	1-126-233-11 1-126-101-11	ELECT ELECT	22MF 100MF	20% 20%	50V 16V	C1739	1-136-153-00	FILM	0.01MF	5%	50V
908 910 911	1-124-907-11 1-130-483-00 1-131-341-00	BLECT MYLAR TANTALUM	10MF 0.01MF 0.1MF	20% 5% 20%	50V 50V 16V	C1740 C1741 C1742	1-124-122-11 1-124-122-11 1-126-104-11	BLECT BLECT	100MF 100MF 470MF	20% 20% 20%	35V 35V 35V

<capacitor></capacitor>				C1731 C1732	1-124-122-11	ELECT MYLAR	100MF 0.01MF	20% 10%	35V 200V
C901 1-126-320-11 BLECT C902 1-124-477-11 BLECT	10MF	20%	16V	C1733 C1734	1-102-963-00	CERANIC	33PF 33PF	57 57	50V 50V
C902 1-124-477-11 ELECT C903 1-130-471-00 MYLAR C904 1-130-471-00 MYLAR C905 1-124-477-11 ELECT	47MF 0.001MF 0.001MF 47MF	20% 5% 5% 20%	16V 50V 50V 16V	C1735 C1736 C1737 C1738	1-106-367-00 1-124-937-91	BLECT MYLAR BLECT BLECT	100MF 0.01MF 10MF 100MF	20% 10% 20% 20%	35V 200V 16V 35V
C906 1-126-233-11 ELECT C907 1-126-101-11 ELECT C908 1-124-907-11 ELECT C910 1-130-483-00 MYLAR C911 1-131-341-00 TANTALUM	22MF 100MF 10MF 0.01MF 0.1MF	20% 20% 20% 5% 20%	50V 16V 50V 50V 16V	C1739 C1740 C1741 C1742	1-136-153-00 1-124-122-11 1-124-122-11 1-126-104-11	PILN BLECT BLECT BLECT	0.01MF 100MF 100MF 470MF	5% 20% 20% 20%	35V 35V 35V
C912 1-124-903-11 BLECT C913 1-126-803-11 BLECT C914 1-126-233-11 BLECT	1MF 47MF 22MF	20% 20% 20%	50V 16V 50V	C1744 C1745 C1763	1-124-478-11 1-126-375-11 1-126-096-11	ELECT ELECT	100MF 100MF	20% 20% 20%	25V 25V 25V
C915 1-124-927-11 BLECT C916 1-102-074-00 CERAMIC	4.7MF 0.001MF	20% 10%	50V 50V	C1764 C1765 C1766	1-124-477-11 1-124-477-11 1-126-101-11	ELECT ELECT ELECT	47MF 47MF 100MF	20% 20% 20%	16V 16V 16V
C917 1-130-471-00 MYLAR C918 1-102-963-00 CERAMIC C919 1-102-963-00 CERAMIC C920 1-102-963-00 CERAMIC C921 1-102-963-00 CERAMIC	0.001MF 33PF 33PF 33PF 33PF	542424	50V 50V 50V 50V 50V	C1769 C1770 C1771 C1772 C1861	1-126-157-11 1-130-495-00 1-126-096-11 1-126-096-11 1-102-074-00	MYLAR ELECT ELECT CERANIC	10MF 0.1MF 10MF 10MF 0.001MF	20% 5% 20% 20%	16V 50V 25V 25V
C922 1-102-963-00 CERAMIC C923 1-102-963-00 CERAMIC C931 1-102-973-00 CERAMIC C932 1-124-903-11 ELECT C933 1-124-234-00 ELECT	33PF 33PF 100PF 1MF 22MF	5% 5% 5% 20% 20%	50V 50V 50V 50V 16V	D1		NECTOR>		10%	50V
C934 (1-126-233-11 ELECT C935 (1-126-233-11 ELECT C936 (1-126-233-11 ELECT C937 (1-126-233-11 ELECT	22MF 22MF 22MF 22MF	20% 20% 20% 20%	25V 25V 25V 25V	D2 D3 D4 D5	*1-564-511-11 *1-564-512-11 *1-564-508-11 *1-564-511-11	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR 8P TOR 9P TOR 5P		
C938 1-126-233-11 ELECT C940 1-126-233-11 ELECT C1701 1-124-907-11 ELECT	22MF 22MF 10MF	20% 20% 20%	25V 25V 50V	D6 D7 D9 D14	1-691-169-11 *1-564-507-11 *1-564-507-11 *1-564-513-11	PLUG, CONNECT PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR 4P		
C1702 1-124-907-11 ELECT	10MF	20%	50¥	i					

Section 1991 Control of the Control
The components identified by
shading and mark A are criti-
cal for safety.
Replace only with part number
specified.

specified.								D
REF.NO. PART NO. DESCRIPTION	REMARK		. PART NO.	DESCRIPTI				REMARK
<d10de></d10de>		L904	1-459-313-00	COIL WITH	CORE (H	ĕC)		
D901 8-719-911-19 DIODE ISS119 D902 8-719-911-19 DIODE ISS119				ANSISTOR>				
1990 8-719-911-19 1100E 155119 11701 8-719-900-95 1100E 155119 11702 8-719-901-19 1100E 155119 11703 8-719-900-95 1100E 155119		Q902 Q906 Q907	8-729-900-89 8-729-119-78 8-729-119-78 8-729-900-89	TRANSISTOR TRANSISTOR TRANSISTOR	DTC1448 2SC2785 2SC2785	es 5-HFE 5-HFE		
D1704 8-719-900-95 D10DE V09G D1705 8-719-900-95 D10DE V09G		Q908 Q909	8-729-900-89 8-729-119-78	TRANSISTOR TRANSISTOR	DTC144E 2SC2785	S -HFE		
D1706 8-719-900-95 D10DE V09G D1707 8-719-911-19 D10DE 15S119 D1708 8-719-911-19 D10DE 1SS119		Q910 Q911 Q912	8-729-119-78 8-729-119-76 8-729-119-76	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785 2SA1175 2SA1175	-HFE -HFE -HFE		
D1709 8-719-911-19 D10DE 155119 D1710 8-719-911-19 D10DE 155119				ilstor>				
D1711 8-719-911-19 D10DE 155119 D1712 8-719-911-19 D10DE 155119 D1713 8-719-911-19 D10DE 155119		R901 R902	1-215-463-00 1-215-463-00	METAL	56K 56K	17 17	1/4W 1/4W	
D1714 8-719-911-19 D10DE 155119 D1715 8-719-911-19 D10DE 155119 D1716 8-719-911-19 D10DE 155119		R903 R904 R905	1-215-463-00 1-215-449-00 1-215-455-00 1-215-449-00	METAL METAL METAL	15K 27K 15K	17 17 17 17 17	1/49 1/49 1/49	
D1716 8-719-911-19 D10DE 1SS119 D1717 8-719-911-19 D10DE 1SS119 D1718 8-719-911-19 D10DE 1SS119		R906 R907	1-215-469-00 1-215-469-00		100K		1/4₩	
D1720 8-719-109-50 D10DE RD2.0ES-B1 D1721 8-719-109-50 D10DE RD2.0ES-B1		R908 R909 R910	1-215-469-00 1-215-473-00 1-215-437-00	METAL	100K 150K 4.7K	17	1/49 1/49 1/49 1/49	
D1722 8-719-109-50 D10DE RD2.0ES-B1 D1723 8-719-109-50 D10DE RD2.0ES-B1							1/49	
<puse></puse>		R913 R914 R915	1-215-453-00 1-215-453-00 1-215-437-00 1-215-453-00 1-215-423-00	METAL	22K 22K 4.7K 22K 1.2K	12	1/4W 1/4W 1/4W	
F901 A 1-532-237-11 FUSE, TINE-LAG (BET) 3.15A/250V 1-533-223-11 CLIP, FUSE; F901 F902 A 1-532-237-11 FUSE, TINE-LAG (BET) 3.15A/250V		-R916	1-215-453-00-	- MPT AI	22K-	-12-	1/4W	
1-533-223-11 CLIP, FUSE; F902		R919 R920 R921	1-215-399-00 1-215-399-00 1-215-399-00	METAL METAL	120 120 120	17 17 17 17	1/4W 1/4W 1/4W	
< C>		R922 R923		METAL	120 18K		1/4W 1/4W 1/4W	
1C901 8-759-145-58 IC UPC4558C 1C902 8-752-033-68 IC CXA1268P 1C903 8-759-701-56 IC NAM78NO5FA 1C904 8-759-701-65 IC NAM78NO5FA		R925	I-215-433-00 1-215-463-00	METAL METAL	3.3K 3.3K 56K	17 17 17 17 17	1/4W 1/4W 1/4W	
1C905 8-759-701-65 1C NJN79NO5FA		R927	1-215-463-00	METAL	56K		1/4W 1/4W	
C906	1	R929 R930 R931	1-215-469-00 1-215-433-00 1-215-433-00 1-215-433-00 1-215-433-00	METAL METAL METAL	3.3K	1% 1% 1% 1% 1%	1/4W 1/4W	
10901				METAL		12	1/4W 1/4W	
C1702 8-759-602-19 1C M5220L C1703 8-759-602-10 1C M5220L		R934 R935	1-215-433-00 1-215-439-00	METAL METAL METAL	3.3K 3.3K 5.6K	17	1/4W 1/4W 1/4W	
C1704 8-749-923-16 IC STM4278-L C1705 8-749-923-16 IC STM4278-L C1706 8-759-113-13 IC UPC1498H		K937	1-215-439-00	METAL METAL	5.6K 5.6K	17 17 17 17	1/4W 1/4W	
C1706 8-759-113-13	į	8030	1-215-433-00	METAL METAL METAL	680 3.3K 2.2K	17 17 17	1/4W 1/4W 1/4W	
C1709 8-759-145-58 IC UPC4558C C1710 8-759-145-58 IC UPC4558C C1714 8-759-145-58 IC UPC4558C	- 1	R941 R942	1-215-441-00	METAL	6.8K 18K	12 12 12 12	1/4W 1/4W	
C1715 8-759-145-58 1C UPC4558C C1718 8-759-145-58 1C UPC4558C	- 1	R943 R944 R945	1-215-445-00	METAL METAL METAL	6.8K 10K 10K	17 17	1/4W 1/4W 1/4W	
<c01l></c01l>		R945	1-215-445-00	METAL METAL	10K 5.6K	12	1/4W 1/4W	
901 1-459-313-00 COIL WITH CORE (HWC) 902 1-459-313-00 COIL WITH CORE (HWC)	1	R949 1	I-215-439-00 I	METAL METAL	27K 5.6K 2.2K	17	1/4W 1/4W	
903 1-459-313-00 COIL WITH CORE (HWC)	į	A730		METAL METAL	2.2K 2.2K	17	1/4W 1/4W	

D										PWID														D
		PART NO.	DESCRIPTION		REMARK	REF.NO. PART NO.	DESCRIPTION			EMARK	REF.NO. P		DESCRIPTION				F.NO. PART		DESCRIPTIO				REMARK	
	R952 R953 R954 R955 R956	1-215-439-00 1-215-435-00 1-215-437-00	METAL NETAL	2.2K 1% 1/4W 5.6K 1% 1/4W 5.6K 1% 1/4W 3.9K 1% 1/4W 4.7K 1% 1/4W		R1719 1-214-792-00 R1720 1-249-411-11 R1721 1-249-417-11 R1722 1-249-411-11 R1723 1-249-417-11 R1724 1-215-886-11	CARBON CARBON CARBON	1 1% 330 5% 1% 5% 330 5% 1% 5% 100 5%	1/2W 1/4W 1/4W 1/4W 1/4W 2W F		R1783 I R1784 I R1785 I R1786 I	-214-804-51 -214-804-51 -215-898-11 -214-804-51	METAL OXIDE	3.3 1% 3.3 1% 10K 5% 3.3 1%	2W 1/2W 1/2W 2W 1/2W		11866 1-21 11867 1-21 11868 1-21 11869 1-21 11870 1-21	5-437-00 5-449-00 5-445-00 5-445-00	METAL METAL METAL METAL	15K 10K 10K	17 17 17 17	1/4W 1/4W 1/4W 1/4W		
	R958 R959 R960 R961 R962 R963	1-215-441-00	METAL	6.8K 12 1/4W 4.7K 12 1/4W 5.6K 12 1/4W 5.6K 12 1/4W 5.6K 12 1/4W 6.8K 12 1/4W 6.8K 12 1/4W 47 52 3W		R1725 1-215-886-11 R1726 1-215-886-11 R1727 1-214-792-00 R1728 1-214-792-00 R1729 1-214-792-00 R1730 1-249-405-11	METAL OXIDE METAL OXIDE METAL METAL	100 5% 100 5% 1 1% 1 1%	2W F 2W F 1/2W 1/2W 1/2W		R1788 I R1789 I R1790 I R1791 I R1792 I R1793 I	-249-433-11 -249-441-11 -249-433-11 -249-429-11 -215-445-00 -249-405-11	CARBON CARBON CARBON CARBON METAL CARBON	3.3 1% 22K 5% 100K 5% 22K 5% 10K 5%	1/49 1/49 1/49 1/49 1/49 1/49		1871 1-21 1872 1-21 1873 1-21 1874 1-21 1875 1-21 1876 1-21	5-437-00 5-437-00 5-437-00 5-437-00 5-437-00	HETAL METAL HETAL METAL METAL	4.7K 4.7K 4.7K 4.7K 4.7K	17	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		
	R964 R965 R966 R967 R968 R969	1-215-469-00 1-215-421-00 1-215-437-00 1-249-421-11	METAL METAL CARBON	17 12 1/4W 17 12 1/4W 18 12 1/4W 17 17 1/4W 18 12	F	R1731 1-247-417-11 R1732 1-249-405-11 R1733 1-249-405-11 R1734 1-249-405-11 R1735 1-249-405-11 R1736 1-249-423-11	CARBON CARBON CARBON CARBON	1K 5% 100 5% 100 5% 100 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1795 1 R1796 1 R1797 1 R1798 1 R1800 1	-249-433-11 -249-405-11 -249-429-11 -249-423-11 -249-405-11	METAL CARBON CARBON CARBON CARBON CARBON	2.2K 1% 22K 5% 100 5% 10K 5% 3.3K 5% 100 5% 5.6K 1%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		1878 1-215 1879 1-215 1880 1-215 1881 1-215	-445-00	METAL METAL METAL METAL	10K 1	17 17 17 17	1/4W 1/4W 1/4W 1/4W 1/4W		
	R970 R971 R972 R973 R974 R975	1-249-421-11 1-249-431-11 1-249-431-11 1-215-399-00 1-215-399-00	METAL	2.2K 52 1/4W 15K 52 1/4W 15K 52 1/4W 120 12 1/4W 120 12 1/4W 120 12 1/4W		R1737 1-249-423-11 R1738 1-249-423-11 R1739 1-249-423-11 R1740 1-249-417-11 R1741 1-249-423-11 R1742 1-249-423-11	CARRON	100 5% 3.3K 5% 3.3K 5% 3.3K 5% 3.3K 5% 3.3K 5% 3.3K 5% 3.3K 5%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		R1802 I R1803 I R1805 I R1806 I R1807 I	-215-439-00 -215-439-00 -215-439-00 -249-405-11 -249-405-11	METAL METAL METAL METAL CARBON CARBON	5.6K 1X 5.6K 1X 5.6K 1X 100 5X 100 5X	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		1884 1-215 1885 1-215 1886 1-215 1887 1-215 1888 1-215	-397-00 -461-00	METAL METAL METAL METAL METAL	10K 1	X .	1/4W 1/4W 1/4W 1/4W 1/4W		
	R976 R977 R978 R979 R980 R981	1-215-399-00 1-215-399-00 1-215-399-00 1-215-399-00 1-215-399-00 1-215-399-00	METAL METAL METAL	120 1% 1/4w 120 1% 1/4w 120 1% 1/4w 120 1% 1/4w 120 1% 1/4w 120 1% 1/4w		R1743 1-249-417-11 R1744 1-249-411-11 R1745 1-249-405-11 R1746 1-214-792-00 R1747 1-215-886-11	CARBON CARBON CARBON METAL METAL OXIDE	100 5% 100 5% 1 1% 100 5% 1 1%	1/4W 1/4W 1/4W 1/2W 2W F 1/4W	:	R1809 1: R1810 1: R1811 1: R1812 1:	-214-792-00	METAL	1 17 1 17 1 17 1 17 1 17 1 17	1/2W 1/2W 1/2W 1/2W 1/2W 1/2W	- 100 mg m - 400 mg m	1890 1-215 1892 1-215 1894 1-215 1895 1-215 1896 1-215	-445-00 -429-00 -445-00 -445-00	METAL METAL METAL METAL METAL	33K 1 33K 1 10K 1 10K 1 10K 1	NAN NAN NAN NAN NAN NAN NAN NAN NAN NAN	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		
	R982 R983 R984 R985 R986 R987 R988 R989	1-214-804-51 1-214-804-51 1-214-804-51 1-215-421-00 1-215-421-00 1-215-421-00	CARBON METAL NETAL METAL METAL METAL METAL	15K 5% 1/4W 15K 5% 1/4W 3.3 1% 1/2W 3.3 1% 1/2W 3.3 1% 1/2W 1K 1% 1/4W 1K 1% 1/4W		R1748 1-215-421-00 R1749 1-215-421-00 R1750 1-215-421-00 R1751 1-215-421-00 R1752 1-215-421-00 R1753 1-215-421-00 R1754 1-214-792-00 R1755 1-215-497-00 R1755 1-215-437-00	MSTAL METAL METAL METAL METAL	1K 1Z 1K 1Z 1K 1Z 1K 1Z 1K 1Z 1 1Z	1/4W 1/4W 1/4W 1/4W 1/4W 1/2W		R1815 1- R1816 1- R1817 1- R1818 1- R1819 1- R1820 1- R1821 1-	-249-431-11 -247-885-00 -249-431-11 -247-885-00 -249-405-11 -215-437-00 -215-437-00 -215-437-00	CARBON CARBON CARBON CARBON METAL METAL METAL	15K 5Z 180K 5Z 15K 5Z 180K 5Z 10O 5Z 4.7K 1Z 4.7K 1Z 4.7K 1Z 4.7K 1Z	-1/4W	A A A	1900 1-215 1901 1-215 1902 1-215 1903 1-215	-445=00- -421-00 -429-00 -449-00 -445-00	METAL METAL METAL METAL METAL METAL	15K 1 10K 1 2.2K 1 15K 1 10K 1 10K 1	X	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	<u> </u>	
	R990 R991 R992 R993 R994 R995 R996	1-215-421-00 1-215-421-00 1-215-421-00 1-245-429-11 1-249-429-11 1-215-457-00 1-215-473-00	METAL CARBON CARBON METAL	IK IX I/4W IK IX I/4W IK IX I/4W IK IX I/4W IK IX I/4W IOK 5X I/4W IOK 5X I/4W 33K IX I/4W 150K IX I/4W		R1756 1-215-437-00 R1757 1-215-437-00 R1758 1-215-437-00 R1759 1-249-405-11 R1760 1-249-427-11 R1761 1-249-419-11 R1762 1-215-445-00 R1763 1-249-427-11	METAL METAL CARBON CARBON CARBON METAL	4.7K 1X 4.7K 1X 100 5X 6.8K 5X 1.5K 5X 10K 1X 6.8K 5X	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		R1824 1- R1825 1- R1826 1- R1827 1-	-215-445-00 -215-445-00 -215-433-00 -215-433-00 -215-433-00 -215-445-00 -215-445-00	METAL METAL METAL METAL	10K 1Z 10K 1Z 3.3K 1Z 3.3K 1Z 3.3K 1Z 10K 1Z 10K 1Z	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	R R R R	1905	-445-00 -429-00 -445-00 -445-00 -445-00 -445-00 -453-00	METAL METAL METAL METAL METAL METAL METAL	10K 1 10K 1 22K 1	7	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		
	R999 R1701 R1702 R1703 R1704 R1705 R1706	1-249-427-11 1-249-411-11 1-249-411-11	METAL CARBON CARBON CARBON CARBON CARBON	27K 1% 1/4W 330 5% 1/4W 6.8K 5% 1/4W 6.8K 5% 1/4W 330 5% 1/4W 330 5% 1/4W		R1764 1-249-419-11 R1765 1-249-419-11 R1766 1-249-427-11 R1767 1-249-427-11 R1768 1-249-439-11 R1769 1-215-445-00	CARBON CARBON CARBON CARBON CARBON	1.5K 5X 1.5K 5X 6.8K 5X 6.8K 5X 6.8K 5X 10K 1X	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		R1830 1- R1831 1- R1832 1- R1833 1-	249-434-11 249-434-11 249-405-11 215-471-00 215-471-00	CARBON CARBON METAL METAL METAL	27K 5X 27K 5X 100 5X 120K 1X 120K 1X	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	RRRR		-453-00 -445-00 -445-00 -429-00 -429-00	METAL METAL METAL METAL	1.2K 1 22K 1 10K 1 10K 1 2.2K 1 2.2K 1 2.2K 1	Ž į	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		
	R1707 R1708 R1709 R1710 R1711	1-249-411-11 1-249-427-11 1-249-427-11 1-249-411-11 1-249-411-11 1-249-427-11	CARBON CARBON CARBON CARBON CARBON CARBON	330 5% 1/4W 6.8K 5% 1/4W 330 5% 1/4W 330 5% 1/4W 6.8K 5% 1/4W		R1770 1-249-405-11 R1771 1-249-405-11 R1772 1-215-429-00 R1773 1-215-429-00 R1774 1-215-421-00 R1775 1-249-429-11 R1776 1-215-421-00	CARBON METAL METAL METAL CARBON	100 5% 100 5% 2.2K 1% 2.2K 1% 1K 1% 10K 5% 1K 1%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W		R1836 1- R1837 1- R1838 1- R1839 1- R1858 1- R1859 1-	249-431-11 (249-431-11 (215-445-00 1 215-445-00 1	METAL NETAL CARBON CARBON METAL METAL	120K 1X 4.7K 1X 4.7K 1X 1K 1X 15K 5X 15K 5X 10K 1X 10K 1X	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	928 1-215- 929 1-215- 930 1-215- 931 1-215- 932 1-215-	-421-00 -445-00 -397-00 -397-00 -453-00	METAL METAL METAL METAL	10K 1 1K 1 10K 1 100 1 100 1		/4W /4W /4W /4W		
	R1714 R1715 R1716 R1717	1-249-411-11	CARBON CARBON METAL OXIDE CARBON	330 5% 1/4W 330 5% 1/4W 100 5% 2W 330 5% 1/4W 1K 5T 1/4W	P	R1777 1-249-423-11 R1778 1-215-421-00 R1779 1-215-898-11 R1780 1-214-804-51 R1781 1-214-804-51	CARBON METAL METAL OXIDE	3.3K 5Z 1K 1Z 10K 5Z 3.3 1Z 3.3 1Z	1/4W 1/4W 2W F 1/2W 1/2W		R1861 1- R1862 1- R1863 1- R1864 1-	215-397-00 215-453-00 215-453-00 215-397-00 215-437-00 215-453-00 215-455-00 215-455-00 215-455-00 215-455-00 215-4	METAL HETAL HETAL HETAL	22K 1% 22K 1% 100 1% 4.7K 1%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	; R	933 1-215- 934 1-215- 937 1-215-		METAL	22K 1 2.2K 1 10K 1		/4W /4W /4W		

D VM											Vm H ₁
REF.NO. PART NO.	DESCRIPTION REM	ARK REF.MO. PART NO.	DESCRIPTION		MARK REF.N	NO. PART NO.	DESCRIPTION	RENARK	REF.NO. PART NO.	DESCRIPTION	REMARK
RV901 1-241-631 RV902 1-241-631 RV903 1-241-631 RV904 1-241-631	<pre><variable resistor=""> -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K</variable></pre>	RV967 1-241-631-11 RV968 1-241-631-11 RV969 1-241-631-11 RV970 1-241-631-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K		D150 D150 D150 D150	04 8-719-911-19 05 8-719-911-19 06 8-719-911-19	DIODE ISS119 DIODE ISS119 DIODE ISS119 DIODE ISS119		R1530 1-216-451-11 R1531 1-249-429-11 R1532 1-249-421-11 R1533 1-247-903-00	CARBON 10K 5% CARBON 2.2K 5%	2W F 1/4W 1/4W
RV906 1-241-631 RV907 1-241-631 RV908 1-241-631 RV909 1-241-631	11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K	RV972 1-241-631-11 RV973 1-241-631-11 RV974 1-241-631-11 RV975 1-241-631-11			D150 D150 D150	7 8-719-982-36 8 8-719-982-36 9 8-719-911-19	DIODE MTZJ-39B DIODE MTZJ-39B DIODE ISS119		R1553 I-249-417-11 R1554 I-215-445-00	CARBON 8.2 5% METAL 10K 1% METAL 1.2K 1%	1/40 F 1/40 F 1/40 L/40 1/40 L/40 L/40 L/40 L/40 L/40 L/40 L/40 L
RV913 1-238-023 RV914 1-241-630 RV915 1-241-630	-11 RES, ADJ, CARBON 1K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 47OK -11 RES, ADJ, CARBON 10K -11 RES, ADJ, CARBON 10K	RV979 1-241-631-11 RV980 1-241-632-11	RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 22K RES, ADJ, CARBON 47K RES, ADJ, CARBON 22K		1015	51 8-759-145-58 52 8-759-912-77 <coil< td=""><td>1C LM324N ></td><td></td><td>R1555 1-215-375-00 R1556 1-215-375-00 R1557 1-215-375-00 R1558 1-215-445-00 R1559 1-215-445-00</td><td>METAL 12 17 METAL 12 17 METAL 12 17</td><td>1/48 1/48 1/48 1/48 1/49</td></coil<>	1C LM324N >		R1555 1-215-375-00 R1556 1-215-375-00 R1557 1-215-375-00 R1558 1-215-445-00 R1559 1-215-445-00	METAL 12 17 METAL 12 17 METAL 12 17	1/48 1/48 1/48 1/48 1/49
RV919 1-241-631 RV920 1-241-631	-11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K	***************	RES, ADJ, CARBON 22K WA BOARD, COMPLETE	**********	***** Q1501	8-729-208-39	SISTOR> TRANSISTOR 2SA1306A-V		R1561 1-215-423-00 R1562 1-215-423-00 R1563 1-215-445-00 R1564 1-249-417-11	METAL 1.2K 12 METAL 1.2K 12 METAL 10K 12 METAL 10K 12 CARBON 1K 52	1/4W 1/4W 1/4W 1/4W
RV922 1-241-631 RV923 1-241-631 RV924 1-241-631 RV925 1-241-631	-11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K		HOLDER (B), TR ACITOR>	10% 50V	Q1502 Q1503 Q1504 Q1505 Q1506	8-729-119-78 1 8-729-119-78 1 8-729-119-76 1 8-729-119-76 1	TRANSISTOR 25C3298B-Y FRANSISTOR 25C2785-HFE TRANSISTOR 25C2785-HFE TRANSISTOR 25A1175-HFE		R1565 1-215-445-00 R1566 1-215-375-00 R1567 1-215-375-00 R1568 1-215-375-00 R1569 1-215-445-00 R1570 1-215-445-00 R1570 1-215-445-00 R1570 1-215-445-00 R1570 1-215-445-00 R1570 1-215-445-00 R1570 1-215-445-00 R1570 1-215-445-00 R1570 1-215-445-00 R1570 R1570 1-215-445-00 R1570 R	ETAL 12 1%	1/4W 1/4W 1/4W 1/4W 1/4W
RV927 1-241-631 RV928 1-241-629 RV929 1-241-631 RV930 1-241-629	11 RBS, ADJ, CARBON 22R 11 RBS, ADJ, CARBON 4.7K 11 RBS, ADJ, CARBON 22R 11 RBS, ADJ, CARBON 4.7K 11 RBS, ADJ, CARBON 22K	C1501 1-102-129-00 C1502 1-126-101-11 C1504 1-108-700-11 C1505 1-124-907-11 C1506 1-108-688-11	ELECT 100MF NYLAR 0.047MF ELECT 10MF NYLAR 0.0047MF	10% 50V 20% 16V 10% 200V 20% 50V 10% 200V	V Q1508 V Q1551 Q1552 V Q1553	8-729-142-86 T 8-729-231-60 T 8-729-141-83 T	RAMSISTOR 2SC2785-HFE RAMSISTOR 2SC2733 RAMSISTOR 2SD1406-YGR RAMSISTOR 2SB1094-LK RAMSISTOR-2SD1406-YGR RAMSISTOR-2SD1406-YGR RAMSISTOR-2SD1406-YGR		R1572 1-249-417-11 C R1572 1-215-445-00 M R1573 1-215-375-00 M R1574 1-215-375-00 M R1575 1-215-375-00 M	ARBON 1K 5% ETAL 10K 1% ETAL 12 1% ETAL 12 1%	1/40 1/40 1/40 1/40 1/40
RY932 1-241-631 RY933 1-241-631 RY934 1-241-631 RY935 1-241-631	11 RES, ADJ, CARBON 22R 11 RES, ADJ, CARBON 22R 11 RES, ADJ, CARBON 22K 11 RES, ADJ, CARBON 22K	C1508 1-162-318-11 C1509 1-106-367-00 C1510 1-126-355-11	CERAMIC 0.001MF NYLAR 0.01MF ELECT 33MF ELECT 2.2MF	10% 500V 10% 100V 20% 160V 20% 160V	V . 41556 V . 41556	8-729-141-83 TI	RANSISTOR 2SD1406-YGR RANSISTOR 2SB1094-LK		R1577 1-215-445-00 M R1578 1-249-417-11 C R1579 1-249-417-11 C R1580 1-249-417-11 C	ETAL 10K 1% ARBON 1K 5% ARBON 1K 5%	1/46 1/48 1/48 1/48 1/48
RY937 1-241-630 RY938 1-241-630 RY939 1-241-630 RY940 1-241-631	-11 RES, ADJ, CARBON 10K -11 RES, ADJ, CARBON 10K -11 RES, ADJ, CARBON 10K -11 RES, ADJ, CARBON 22K	C1513 1-162-318-11 C1514 1-102-951-00 C1515 1-102-959-00	CERAMIC 0.001MF CERAMIC 15PF CERAMIC 22PF CERAMIC 33PF	102 500V 52 50V 52 50V 52 50V 52 50V	V R1501 R1502 R1503		ARBON 560 57 ARBON 39 57 ARBON 1.8 57	1/4W F 1/4W P 1/2W F 1/4W F	11581 1-249-432-11 C/ 11582 1-249-432-11 C/ CONNEC	ARBON 18K 5%	/49 /49
RV943 1-241-631 RV944 1-241-631 RV945 1-241-631	11 RES, ADJ, CARBON 22K 11 RES, ADJ, CARBON 22K 11 RES, ADJ, CARBON 22K 11 RES, ADJ, CARBON 22K 11 RES, ADJ, CARBON 22K	C1518 1-102-074-00 C1519 1-108-688-11 C1520 1-126-803-11 C1521 1-124-907-11	CERAMIC 0.001MF MYLAR 0.0047MF ELECT 47MF ELECT 10MF	10% 50V 10% 200V 20% 16V 20% 50V	V R1507 R1508 R1509	1-249-419-11 CA 1-249-412-11 CA 1-249-436-11 CA 1-249-421-11 CA 1-249-436-11 CA	RBON 390 52 Irbon 39K 52 Irbon 2.2K 52	1/4W ;	**************************************	NNECTOR, BOARD TO BOARD 2	
RV947 1-241-631- RV948 1-241-631- RV949 1-241-631- RV950 1-241-631- RV951 1-241-631-	-11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K	C1552 1-124-122-11	CERAMIC 470PF MYLAR 0.01MF	20% 50V 5% 50V 5% 50V 5% 50V	81513 81514 81515	1-249-418-11 CA 1-249-441-11 CA 1-249-432-11 CA 1-249-405-11 CA 1-249-435-11 CA	RBON 100K 57 RBON 18K 52 RBON 10O 52	1/4W 1/4W 1/4W 1/4W 1/4W	4-033-777-01 HO *4-374-987-01 GU	****** LDER, LED IDE, LIGHT ACKET (B), LIGHT GUIDE	
RV952 1-241-631- RV953 1-241-631- RV954 1-241-631- RV956 1-241-631-	-11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K -11 RES, ADJ, CARBON 22K	C1557 1-102-824-00 C1558 1-102-824-00 C1559 1-102-824-00 C1560 1-102-824-00 C1561 1-130-483-00	CERAMIC 470PF CERAMIC 470PF CERAMIC 470PF CERAMIC 470PF HYLAR 0.01MF	52 50V 52 50V 52 50V 52 50V 52 50V	R1519 R1520 R1521 R1522	1-215-916-00 MET 1-249-432-11 CAR 1-249-414-11 CAR 1-249-384-11 CAR	TAL OXIDE 680 5% 3 RBON 18K 5% 1 RBON 560 5% 1 RBON 1.8 5% 1	/4W F W F /4W C1 /4W F	<connect< p=""> #0732*1-564-522-11 PLU CONNECT</connect<>		
RY958 1-241-631- RY959 1-241-631- RY960 1-241-630- RY961 1-241-631- RY962 1-241-631-	11 RES, ADJ, CARBON 22K 11 RES, ADJ, CARBON 10K 11 RES, ADJ, CARBON 10K 11 RES, ADJ, CARBON 22K	C1562 1-130-483-00 C1563 1-130-483-00	MYLAR 0.01MF MYLAR 0.01MF	5% 50V 5% 50V 5% 50V	R I 524 R I 525 R I 526	1-249-400-11 CAR 1-249-418-11 CAR 1-249-421-11 CAR 1-249-426-11 CAR 1-249-414-11 CAR	RBON 1.2K 5% 1 RBON 2.2K 5% 1 RBON 5.6K 5% 1	/4W ; DC	<pre></pre>	DE TERTOA	
RV963 1-241-631- RV964 1-241-631-	-II RES, ADJ, CARBON 22K -II RES, ADJ, CARBON 22K -II RES, ADJ, CARBON 22K	D1501 8-719-911-19	D10DE 1SS119		R1528 R1529	I-249-429-11 CAR I-249-414-11 CAR	non In In	/4W /4W			

HW-832	ź,	cal for safety.			
H ₁ H ₃ H ₂ J		Replace only with part number specified. REMARK	TEE NO DARY NO	DOWNER LADD NO DARK NO DESCRIPTION	REMARK
REF.NO. PART NO. DESCRIPTION REWARK	ISP. NO. TREE NO.		REF.NO. PART NO. DESCRIPTION	REMARK REF.NO. PART NO. DESCRIPTION	KEMAKK
<pre><1c> 1CO91 8-741-148-33 IC SBX1483-59 <resistor> R091 1-249-413-11 CARBON 470 5% 1/40 ************************************</resistor></pre>	C291 1-107-005-00 CERAMIC C292 1-101-005-00 CERAMIC C292 1-101-005-00 CERAMIC C295 1-163-009-11 CERAMIC CHIP C296 1-163-009-11 CERAMIC CHIP C901 1-163-017-00 CERAMIC CHIP C902 1-163-017-00 CERAMIC CHIP C904 1-163-133-00 CERAMIC CHIP	0.001MF 10% 50V 0.0047MF 10% 50V 0.0047MF 10% 50V 470PF 5% 50V	D911 8-719-921-69 DIODE MTZJ-9-1 D912 8-719-921-69 DIODE MTZJ-9-1 D913 8-719-921-69 DIODE MTZJ-9-1 D914 8-719-921-69 DIODE MTZJ-9-1 D915 8-719-921-69 DIODE MTZJ-9-1 D916 8-719-921-69 DIODE MTZJ-9-1 D917 8-719-921-69 DIODE MTZJ-9-1 D918 8-719-921-69 DIODE MTZJ-9-1 D918 8-719-921-69 DIODE MTZJ-9-1 D919 8-719-921-69 DIODE MTZJ-9-1 D920 8-719-921-69 DIODE MTZJ-9-1	JR940	1/10W 1/8W 1/10W 1/8W 1/10W 1/10W 1/10W 1/10W 1/10W
********* *4-341-752-01 EYELET (EY1-EY8) <connector> CHOCOCAL ERO-COCAL BIN CONNECTOR (PC ROARD) 2P</connector>	C907 I-163-133-00 CERAMIC CHIP C908 I-163-133-00 CERAMIC CHIP C909 I-101-004-00 CERAMIC C910 I-163-017-00 CERAMIC CHIP C911 I-163-017-00 CERAMIC CHIP	0.01MF 50V 470PF 5% 50V 470PF 5% 50V 0.01MF 50V 0.0047MF 10% 50V 0.0047MF 10% 50V	D921 8-719-921-69 D10DE WTZJ-9.1 D922 8-719-921-69 D10DE WTZJ-9.1 D923 8-719-921-69 D10DE WTZJ-9.1 D924 8-719-921-69 D10DE WTZJ-9.1 D925 8-719-921-69 D10DE WTZJ-9.1 D926 8-719-921-69 D10DE WTZJ-9.1 D927 8-719-921-69 D10DE WTZJ-9.1	R287 1-216-216-00 MBTAL GLAZE 5.6K 52 8288 1-216-0216-00 MBTAL GLAZE 5.6K 52 8289 1-216-025-00 MBTAL GLAZE 5.6K 52 8291 1-249-413-11 CARBON 470 52 8292 1-249-413-11 CARBON 470 52 8292 1-246-039-00 MBTAL GLAZE 390 52 8902 1-216-039-00 MBTAL GLAZE 390 52 8903 1-216-113-00 MBTAL GLAZE 390 52 8903 1-216-113-00 MBTAL GLAZE 470X 52 8003 4003	1/8W 1/8W 1/10W 1/4W 1/4W 1/10W 1/10W
CN0960*1-580-590-11 PIN, CUNRECTOR (FC BURGE) 2: <switch> S095 A. 1-692-293-11 SWITCH, PUSH (AC POWER) (1 KEY) ***********************************</switch>	C912 1-163-133-00 CERAMIC CHIP C913 1-163-121-00 CERAMIC CHIP C915 1-163-121-00 CERAMIC CHIP C916 1-163-017-00 CERAMIC CHIP C917 1-163-017-00 CERAMIC CHIP C918 1-163-133-00 CERAMIC CHIP C919 1-163-133-00 CERAMIC CHIP C919 1-163-133-00 CERAMIC CHIP	470PF 5% 50V 150PF 5% 50V 0.0047MF 10% 50V 0.0047MF 10% 50V 470PF 5% 50V	J291 1-536-996-21 TERMINAL BLOCK, S J903 1-695-296-11 TERMINAL BLOCK, S J903 1-695-296-11 TERMINAL BLOCK, S J904 1-695-296-11 TERMINAL BLOCK, S J905 1-695-549-11 SOCKET 21P	R903 1-216-113-00 METAL GLAZE 470X 52 R904 1-216-113-00 METAL GLAZE 470X 53 R905 1-216-188-00 METAL GLAZE 390 53 R906 1-216-039-00 METAL GLAZE 390 53 R907 1-216-171-00 METAL GLAZE 75 53 R908 1-216-171-00 METAL GLAZE 75 53 R909 1-216-113-00 METAL GLAZE 470X 53 R910 1-216-113-100 METAL GLAZE 470X 53 R910 1-216-113-100 METAL GLAZ	1/10W 1/10W 1/8W 1/8W 1/8W 1/10W 1/10W
*1-644-711-11 H2 BOARD ******** <capacitor> C083 1-101-005-00 CBRANIC 0.022MF 50V C084 1-101-005-00 CBRANIC 0.022MF 50Y</capacitor>	C920 1-163-017-00 CERAMIC CHIP C921 1-163-017-00 CERAMIC CHIP C922 1-124-477-11 ELECT C923 1-164-346-11 CERAMIC CHIP C924 1-124-477-11 ELECT C925 1-124-477-11 ELECT C926 1-164-346-11 CERAMIC CHIP	0.0047RF 10% 50V 47RF 20% 16V 1RF 16V 47RF 20% 16V 47RF 20% 16V 1RF 16V	J906 1-695-296-11 TERMINAL BLOCK, S J907 1-695-549-21 SOCKET 21P : <coil></coil>	R911 1-216-022-00 METAL GLAZE 75 5X R913 1-216-063-00 METAL GLAZE 3.9K 5X R914 1-216-063-00 METAL GLAZE 3.9K 5X R915 1-216-113-00 METAL GLAZE 470K 5X R916 1-216-113-00 METAL GLAZE 470K 5X R917 1-216-022-00 METAL GLAZE 75 5X R919 1-216-063-00 METAL GLAZE 3.9K 5X R919 1-216-063-00 R919 R919 1-216-063-00 R919 R919 1-216-063-00 R919 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
CONNECTOR> CNO808*1-564-525-11 PLUG, CONNECTOR 10P CNO819*1-568-878-51 PIN, CONNECTOR 3P CNO831*1-564-519-11 PLUG, CONNECTOR 4P	C927 1-124-477-11 BLECT C928 1-124-477-11 BLECT C929 1-124-477-11 BLECT C930 1-124-477-11 BLECT C931 1-164-346-11 CERAMIC CHIF C932 1-164-346-11 CERAMIC CHIF C933 1-124-477-11 BLECT	P 1NF 16V 47NF 20% 16V	L292 1-402-711-11 INDUCTOR, WIDEBAND L294 1-402-711-11 INDUCTOR, WIDEBAND L295 1-402-711-11 INDUCTOR, WIDEBAND <pre></pre>	R919 1-216-063-00 METAL GLAZE 3.9K 5% R920 1-216-063-00 METAL GLAZE 3.9K 5% R921 1-216-022-00 METAL GLAZE 7.5 5% R921 1-216-022-00 METAL GLAZE 10K 5% R922 1-216-022-00 METAL GLAZE 10K 5% R924 1-216-039-00 METAL GLAZE 390 5% R925 1-216-039-00 METAL GLAZE 47K 5% R926 1-216-039-00 METAL GLAZE 390 5% R927 1-216-039-00 METAL GLAZE 3.9K 5% 7% 7% 7% 7% 7% 7% 7%	1/10W 1/8W 1/10W 1/10W 1/10W 1/10W
<pre></pre>	C034 1-124-477-11 BLBCT C034 1-124-477-11 BLBCT C036 1-164-346-11 CERAMIC CHII C037 1-164-346-11 CERAMIC CHII C038 1-124-477-11 BLECT BLECT C038 C03		4283 8-729-216-22 TRANSISTUR 25-1032-15-15-15-15-15-15-15-15-15-15-15-15-15-	R928 1-216-089-00 METAL GLAZE 47K 5% R929 1-216-063-00 METAL GLAZE 3.9K 5% R930 1-216-113-00 METAL GLAZE 470K 5% R931 1-216-212-00 METAL GLAZE 470K 5% R932 1-216-113-00 METAL GLAZE 470K 5%	1/10W 1/10W 1/10W 1/10W 1/8W 1/10W
L081 1-408-409-00 INDUCTOR 10UH CRESISTOR> R082 1-249-429-11 CARBON 10K 5% 1/4W R083 1-249-425-11 CARBON 4.7K 5% 1/4W R084 1-249-421-11 CARBON 2.2K 5% 1/4W R085 1-216-053-00 METAL GLAZE 1.5K 5% 1/10W R086 1-216-053-00 METAL GLAZE 1.5K 5% 1/10W CSWITCH> S082 1-572-198-11 SWITCH, TACTIL S083 1-572-198-11 SWITCH, TACTIL S084 1-572-198-11 SWITCH, TACTIL		-9.1 -9.1 -9.1 -9.1 -9.1 -9.1 -9.1 -9.1	JR910 1-216-296-00 METAL GLAZE 0 5% 1/8W JR911 1-216-296-00 METAL GLAZE 0 5% 1/8W JR915 1-216-296-00 METAL GLAZE 0 5% 1/10W JR917 1-216-296-00 METAL GLAZE 0 5% 1/10W JR918 1-216-295-00 METAL GLAZE 0 5% 1/10W JR919 1-216-295-00 METAL GLAZE 0 5% 1/10W JR920 1-216-295-00 METAL GLAZE 0 5% 1/10W JR921 1-216-295-00 METAL GLAZE 0 5% 1/10W JR921 1-216-296-00 METAL GLAZE 0 5% 1/10W JR923 1-216-296-00 METAL GLAZE 0 5% 1/10W JR923 1-216-296-00 METAL GLAZE 0 5% 1/8W JR926 1-216-296-00 METAL GLAZE 0 5% 1/8W JR927 1-216-296-00 METAL GLAZE 0 5% 1/8W JR928 1-216-296-00 METAL GLAZE 0 5% 1/8W JR928 1-216-296-00 METAL GLAZE 0 5% 1/8W JR928 1-216-296-00 METAL GLAZE 0 5% 1/8W JR928 1-216-296-00 METAL GLAZE 0 5% 1/8W JR928 1-216-296-00 METAL GLAZE 0 5% 1/8W JR928 1-216-296-00 METAL GLAZE 0 5% 1/8W JR935 1-216-296-00 METAL GLAZE 0 5% 1/8W	R934 1-216-063-00 METAL GLAZE 3.9K 5% R935 1-216-022-00 METAL GLAZE 75 5% R936 1-216-022-00 METAL GLAZE 75 5% R937 1-216-113-00 METAL GLAZE 77 5% R939 1-216-188-00 METAL GLAZE 390 5% R939 1-216-188-00 METAL GLAZE 390 5% R940 1-216-188-00 METAL GLAZE 390 5% R940 1-216-188-00 METAL GLAZE 3.9K 5% R941 1-216-113-00 METAL GLAZE 3.9K 5% R942 1-216-188-00 METAL GLAZE 3.9K 5% R945 1-216-089-00 METAL GLAZE 390 5% R945 1-216-089-00 METAL GLAZE 37 5% R946 1-216-089-00 METAL GLAZE 47 K 5% R946 1-216-082-00 METAL GLAZE 75 5% R947 1-216-022-00 METAL GLAZE 75 5% R948 1-216-133-00 METAL GLAZE 75 5% R948 1-216-133-00 METAL GLAZE 75 5% R948 1-216-133-00 METAL GLAZE 47 K 5% R949 1-216-133-00 METAL GLAZE 47 K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
*A-1388-158-A J BOARD, COMPLETE	D910 8-719-921-69 DIODE NTZJ-	-y.1	JR939 1-216-295-00 METAL GLAZE 0 5% 1/10W	R950 1-216-063-00 METAL GLAZE 3.9K 5% R951 1-216-063-00 METAL GLAZE 3.9K 5%	1/10W 1/10W

The components identified by shading and mark Δ are critical for safety. Replace only with part number

											HM-832
EF. NO. PART NO.	DESCRIPTION	REWARK REF. NO	D. PART. NO. DESCRIPTION		REWARK	REF.NO. PART NO.	DESCRIPTION		EF.NO. PART NO.	DESCRIPTION	REMARK
R956 I-216-089-00 R957 I-216-089-00 R958 I-216-039-00 R959 I-216-071-00 R960 I-216-071-00 R990 I-216-053-00 R991 I-216-053-00 R993 I-216-053-00 R994 I-216-053-00 R994 I-216-053-00 R997 I-216-053-00 R997 I-216-053-00 R997 I-216-053-00 R997 I-216-053-00 R997 I-216-053-00 R997 I-216-053-00	METAL GLAZE 390 5% 1/80 METAL GLAZE 390 5% 1/100 METAL GLAZE 47K 5% 1/100 METAL GLAZE 47K 5% 1/100 METAL GLAZE 8.2K 5% 1/100 METAL GLAZE 8.2K 5% 1/100 METAL GLAZE 1.5K 5% 1/100	C831 C832 C833 C834 C835 C836 C837 C838 C839 C840 C841 C842 C843 C844 C850 C852 C852 C853 C858 C858	1-124-907-11 BLECT 1-126-233-11 BLECT 1-126-233-11 BLECT 1-102-121-00 CERAMIC 1-124-927-11 BLECT 1-130-475-00 MYLAR 1-136-169-00 FILM 1-130-475-00 MYLAR 1-102-106-00 CERAMIC 1-136-807-11 FILM 1-136-729-11 FILM 1-130-471-00 MYLAR 1-136-173-00 FILM 1-110-364-11 MYLAR 1-136-109-00 FILM 1-124-907-11 BLECT 1-124-907-11 BLECT 1-124-514-11 BLECT 1-124-514-11 BLECT 1-124-514-11 BLECT 1-126-114-00 CERAMIC	0.1MF 10% 20% 20% 20% 20% 20% 20% 20% 20% 20% 2	100V 50V 50V 50V 50V 50V 50V 1.6KV 400V 50V 50V 50V 50V 50V 50V 50V 100V 50V 100V 50V	N2 *1-568-880-61 N3 *1-508-766-80 N4 *1-508-766-90 N5 *1-568-880-51 N5 *1-508-766-90 N7 *1-508-766-90 N7 *1-508-766-90 N8 *1-508-764-90 N851 *1-506-371-90 N853 *1-506-371-90 N853 *1-506-371-90 N853 *1-508-371-90	IN LAMP> LAMP, MEON MSISTOR> TRANSISTOR 2SC2555-2 TRANSISTOR 2SC25688-LK TRANSISTOR 2SL178-LUE	BARRE REARE REARE	8826 1-214-962 8827 1-214-764 8828 1-215-455 8829 1-215-455 8830 1-215-928	-00 METAL 30K -00 HETAL 27K -00 HETAL 27K -00 HETAL 27K -01 HETAL OXIDE 68K -11 METAL OXIDE 68K -11 CARBON 1.5K -11 CARBON 1.5K -00 METAL 2.2K -00 METAL 2.2K -01 CARBON 33K -11 CARBON 33	7 1/4W 7 1/4W
*4-341-752-01 *4-363-146-00 4-382-854-11	EY40-EY54. EY57-EY59 EY6LET (EY1-EY10. EY13. EY14. EY19- EY38. EY39. EY55. EY56. EY60) HEAT SINK, V.OUT SCREW (M3X10). P. SW (+) SPACER. MICA		<pre></pre>	. 1B		4804 8-729-119-78 4805 8-729-119-78 4806 8-729-119-80 4807 8-729-119-78 4808 8-729-119-78 4809 8-729-119-76	TRANSISTOR 25C2785-HFE TRANSISTOR 25C2785-HFE TRANSISTOR 25C2785-HFE TRANSISTOR 25C2785-HFE TRANSISTOR 25C2785-HFE TRANSISTOR 25C1785-HFE	R: R: R: R:	1-215-429- 351 1-215-404- 353 1-215-469- 354 1-249-430- 355 1-215-469- 356 1-249-430-	00 METAL 2.2K 1 00 METAL 200 1 00 METAL 100K 1 111 CARBON 12K 5 00 METAL 100K 1	X 1/4W X 1/4W X 1/4W X 1/4W X 1/4W X 1/4W
CAP CB01	ACITOR> ELECT (BLOCK) 560MF 20% ELECT 33MF 1.5MF 10% CERAMIC 330MF 10% CERAMIC 330MF 20% ELECT 10MF 10% MYLAR 0.1MF 10% MYLAR 0.1MF 10% MYLAR 0.01MF 10% ELECT 10MF 20% ELECT 33MF 20% ELECT 20% ELECT 33MF 20% ELECT 20% ELECT 20% ELECT 20% ELECT 20% ELECT 20% ELECT 20% ELECT 20% ELECT 20% ELECT 20% ELECT 2	D806 D807 D808 D809 D809 D810 D812 D813 D814 D815 D809 D816 D817 D816 D817 D816 D817 D818 D818 D818 D818 D818 D818 D818	8-719-921-43 DIODE MTZJ-5. 8-719-921-43 DIODE MTZJ-5. 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-911-19 DIODE ISS119 8-719-903-09 DIODE MTZJ-3. 8-719-903-09 DIODE MTZJ-3. 8-759-982-13 IC RC7812FA 8-759-982-13 IC RC7812FA 8-759-103-93 IC RC7812FA	. 1B . 1B 1B		Record R	TRANSISTOR 2501887-CA TRANSISTOR 250675 TRANSISTOR 250175-HFE TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 250175-HF TRANSISTOR 25017	R8 R8 R8 R8 R8	157	CARBON	7 1/4W

The components identified by shading and mark A are critical for safety.

HM-832							cal for s		rik /ill g	ie chu-
							Replace	only w	th part r	umber
N ZR ZG	ZB	o					there see	A. FES		
REF. NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTIO	3N			REMARK
R890 1-249-431-11	CARBON 15K WETAL OXIDE 27K	5% 1/4W 5% 3W			<res!< td=""><td>STOR></td><td></td><td></td><td></td><td></td></res!<>	STOR>				
R890 1-249-431-11 R891 1-216-489-11 R892 1-249-417-11	CARBON 1K	5% 1/49	F	R1911 R1912	1-202-822-00 1-202-822-00	SOLID SOLID	2.2K 2.2K	20% 20%	1/2W 1/2W	
R893 1-215-453-00 R894 1-249-401-11	METAL 22K CARBON 47	1% 1/4W 5% 1/4W		R1913	1-249-414-11 1-249-414-11	CARBON	560 560	5% 5%	1/4W 1/4W	
R895 1-202-731-00	SOLID 10M CARBON 10K	20% 1/2W 5% 1/2W		11714	1 417 414 11					
R896 1-260-111-11 R897 1-247-881-00 R898 1-202-730-00	CARBON 120K SOLID 8.2M	5% 1/49				NECTOR>				
R899 1-249-429-11	CARBON 10K	5% 1/4W		ZG2 ZG19	*1-564-523-11 *1-691-292-11	PLUG, CONNE	ECTOR 8P Ctor (PC i	BOARD)	3 P	
R903 1-202-541-31 R904 1-215-928-11	SOLID 47 WETAL OXIDE 68K	5% 1/2W 5% 3W 5% 1/4W	F	******	*********	********	*******	****	*****	*******
R910 1-249-425-11	CARBON 4.7K	5% 1/4W			1-644-719-11	ZB BOARD				
<ya!< td=""><td>RIABLE RESISTOR></td><td></td><td></td><td></td><td>*4-341-752-01</td><td></td><td>5,EY6)</td><td></td><td></td><td></td></ya!<>	RIABLE RESISTOR>				*4-34 1-752-01		5,EY6)			
RV901 1-241-631-11 RV902 1-241-631-11	RES, ADJ, CARBON 2 RES, ADJ, CARBON 2	2K 2K								
11702 1 241 031 11						ACITOR>	330PF		10*	2KV
	ARK GAP>			C1921 C1922	1-162-115-00 1-162-115-00	CERANIC	330PF		10% 10%	2KV
SG801 1-519-422-11	GAP, SPARK				CRES.	ISTOR>				
<tr< td=""><td>ANSFORMER></td><td></td><td></td><td>R1921</td><td>1-202-822-00</td><td>SOLID</td><td>2.2X</td><td>20%</td><td>1/2₩</td><td></td></tr<>	ANSFORMER>			R1921	1-202-822-00	SOLID	2.2X	20%	1/2₩	
T801 1-437-078-00 T802 1-437-090-00	TRANSFORMER, HORIZ	CONTAL DRIVE		R1921 R1922 R1923	1-202-822-00	SOLID CARBON	2.2K 560	20% 5%	1/2W 1/4W	
7803 & 1-453-121-11	HDT TRANSFORMER ASSY,	FLYBACK (NX-	2630B4)	R1924	1-249-414-11	CARBON	560	57	1/4₩	
*************	*************	**********	********		<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td></con<>	NECTOR>				
*1-644-717-11			********				ECTOR 9P	BUTE DE	30	
*1-644-717-11	ZR BOARD			ZB3 ZB20	*1-564-524-11 *1-691-292-11	PLUG, CONN PIN, CONNE				*****
*1-644-717-11 *4-341-752-01	ZR BOARD ******** BYBLET (EY1, EY2)			ZB3 ZB20	*1-564-524-11 *1-691-292-11	PLUG, CONN PIN, CONNE ***********************************	ONPLETE			******
*1-644-717-11 *4-341-752-01 <ca< td=""><td>ZR BOARD ******** BYBLET (BY1,6Y2) PACITOR></td><td></td><td></td><td>ZB3 ZB20</td><td>*1-564-524-11 *1-691-292-11</td><td>PLUG, CONN PIN, CONNE</td><td>ONPLETE</td><td></td><td></td><td>******</td></ca<>	ZR BOARD ******** BYBLET (BY1,6Y2) PACITOR>			ZB3 ZB20	*1-564-524-11 *1-691-292-11	PLUG, CONN PIN, CONNE	ONPLETE			******
*1-644-717-11 *4-341-752-01	ZR BOARD ******** BYBLET (BY1, BY2) PACITOR> CERANIC 330PI	7 10%		ZB3 ZB20	*1-564-524-11 *1-691-292-11 ***********************************	PLUG, CONN PIN, CONNE ***********************************	ONPLETE			*****
*1-644-717-11 *4-341-752-01 <ca C1901 1-162-115-00 C1902 1-162-115-00</ca 	ZR BOARD ******** BYBLET (BY1, BY2) PACITOR> CERANIC 330PI			ZB3 ZB20 ******	*1-564-524-11 *1-691-292-11 ***********************************	PLUG, CONN PIN, CONNE P BOARD, C ************************************	COMPLETE	*****	*****	25V
*1-644-717-11 *4-341-752-01 <ca 1-162-115-00="" 1-202-822-00<="" <rb="" c1901="" c1902="" r1901="" td=""><td>ZR BOARD BYBLET (BY1, BY2) PACITOR> CERANIC 330PI CERANIC 330PI SISTOR> SOLID 2.2.2</td><td>? 107 ? 107 X 207 1/28</td><td>2KV 2KV</td><td>ZB3 ZB20 ******* C1401 C1402 C1403</td><td>*1-564-524-11 *1-691-292-11 ***********************************</td><td>PLUG, CONN PIN, CONNE PROBARD, C ************************************</td><td>COMPLETE STATE OF THE STATE OF</td><td>****** WF</td><td>10% 10%</td><td>25V 25V 50V 25V</td></ca>	ZR BOARD BYBLET (BY1, BY2) PACITOR> CERANIC 330PI CERANIC 330PI SISTOR> SOLID 2.2.2	? 107 ? 107 X 207 1/28	2KV 2KV	ZB3 ZB20 ******* C1401 C1402 C1403	*1-564-524-11 *1-691-292-11 ***********************************	PLUG, CONN PIN, CONNE PROBARD, C ************************************	COMPLETE STATE OF THE STATE OF	****** WF	10% 10%	25V 25V 50V 25V
*1-644-717-11 *4-341-752-01 <ca c1901<="" td=""><td>ZR BOARD STATE OF THE PROPERTY OF THE PROPERT</td><td>7 107 7 107 8 207 1/26 8 207 1/26</td><td>2KV 2KV</td><td>ZB3 ZB20 ****** C1401 C1402</td><td>*1-564-524-11 *1-691-292-11 ***********************************</td><td>PLUG, CONN PIN, CONNE P BOARD, C PACITOR> CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH</td><td>ONPLETE TO IMP TO IMP TO IMP TO ONE TO ON</td><td>****** WF</td><td>10% 10% 5%</td><td>25V 25V 550V 25V 50V</td></ca>	ZR BOARD STATE OF THE PROPERTY OF THE PROPERT	7 107 7 107 8 207 1/26 8 207 1/26	2KV 2KV	ZB3 ZB20 ****** C1401 C1402	*1-564-524-11 *1-691-292-11 ***********************************	PLUG, CONN PIN, CONNE P BOARD, C PACITOR> CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH	ONPLETE TO IMP TO IMP TO IMP TO ONE TO ON	****** WF	10% 10% 5%	25V 25V 550V 25V 50V
*1-644-717-11 *4-341-752-01 <ca 1-162-115-00="" 1-202-822-00<="" <rb="" c1901="" c1902="" r1901="" td=""><td>ZR BOARD STATE OF THE PROPERTY OF THE PROPERT</td><td>? 107 ? 107 X 207 1/28</td><td>2KV 2KV</td><td>ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1405</td><td>*1-564-524-11 *1-691-292-11 ***********************************</td><td>PLUG, CONN PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH</td><td>COMPLETE PORTE td><td>****** MF F</td><td>10% 10% 5%</td><td>25V 25V 50V 25V 50V 25V</td></ca>	ZR BOARD STATE OF THE PROPERTY OF THE PROPERT	? 107 ? 107 X 207 1/28	2KV 2KV	ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1405	*1-564-524-11 *1-691-292-11 ***********************************	PLUG, CONN PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH	COMPLETE PORTE	****** MF F	10% 10% 5%	25V 25V 50V 25V 50V 25V
*1-644-717-11 *4-341-752-01 <ca 1-162-115-00="" 1-202-822-00="" 1-249-414-11="" <cc<="" <re="" c1901="" c1902="" r1901="" r1902="" r1903="" r1904="" td=""><td>ZR BOARD ********** BYBLET (EY1, EY2) PACITOR> CERANIC 330PI SISTOR> SOLID 2.21 CARBON 560 CARBON 560 INNECTOR></td><td>7 107 107 107 107 108 207 1/24 57 1/44 57 1/44</td><td>2KV 2KV</td><td>ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1405</td><td>*1-564-524-11 *1-691-292-11 ***********************************</td><td>PLUG, CONN PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH</td><td>ONPLETE ******** IIP 0. IMF IIP 0. IMF IIP 0. 1047 IIP 0. 1057 td><td>****** MF F</td><td>10% 10% 5%</td><td>25V 25V 25V 25V 50V 25V 50V 50V</td></ca>	ZR BOARD ********** BYBLET (EY1, EY2) PACITOR> CERANIC 330PI SISTOR> SOLID 2.21 CARBON 560 CARBON 560 INNECTOR>	7 107 107 107 107 108 207 1/24 57 1/44 57 1/44	2KV 2KV	ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1405	*1-564-524-11 *1-691-292-11 ***********************************	PLUG, CONN PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH	ONPLETE ******** IIP 0. IMF IIP 0. IMF IIP 0. 1047 IIP 0. 1057	****** MF F	10% 10% 5%	25V 25V 25V 25V 50V 25V 50V 50V
*1-644-717-11 *4-341-752-01 <ca 1-162-115-00="" 1-202-822-00="" 1-249-414-11="" <cc<="" <re="" c1901="" c1902="" r1901="" r1902="" r1903="" r1904="" td=""><td>ZR BOARD ********** BYBLET (EY1, EY2) PACITOR> CERANIC 330PI SISTOR> SOLID 2.21 CARBON 560 CARBON 560 INNECTOR></td><td>7 107 107 107 107 108 207 1/24 57 1/44 57 1/44</td><td>2KV 2KV</td><td>ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1405 C1406 C1407 C1406 C1407 C1408 C1409 C1410</td><td>*A-1622-005-A *A-1622-005-A *CAR 1-163-038-00 1-63-037-11 1-163-097-00 1-163-037-01 1-163-017-00 1-163-017-01 1-163-038-00 1-163-038-00 1-163-038-00</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH</td><td>IIP 0.1MF IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 15PF IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.0047</td><td>****** MF F</td><td>10% 10% 5%</td><td>25V 25V 25V 25V 50V 25V 50V 25V 50V 25V</td></ca>	ZR BOARD ********** BYBLET (EY1, EY2) PACITOR> CERANIC 330PI SISTOR> SOLID 2.21 CARBON 560 CARBON 560 INNECTOR>	7 107 107 107 107 108 207 1/24 57 1/44 57 1/44	2KV 2KV	ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1405 C1406 C1407 C1406 C1407 C1408 C1409 C1410	*A-1622-005-A *A-1622-005-A *CAR 1-163-038-00 1-63-037-11 1-163-097-00 1-163-037-01 1-163-017-00 1-163-017-01 1-163-038-00 1-163-038-00 1-163-038-00	PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH	IIP 0.1MF IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 15PF IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.0047	****** MF F	10% 10% 5%	25V 25V 25V 25V 50V 25V 50V 25V 50V 25V
*1-644-717-11 *4-341-752-01 <ca c1901<="" td=""><td>ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 330PI SISTOR> SOLID 2.2! CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 7 PIN, CONNECTOR 7</td><td>7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k</td><td>2KV 2KV</td><td>ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1406 C1407 C1408 C1407 C1412</td><td>**1-564-524-11 **1-691-292-11 ***-1622-005-A **CAF 1-163-038-00 1-163-037-00 1-163-037-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH</td><td>IIP 0.1MF IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 15PF IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.0047</td><td>****** MF F</td><td>10% 10% 5% 5% 5%</td><td>25V 25V 50V 50V 50V 50V 50V 50V 25V 50V 25V</td></ca>	ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 330PI SISTOR> SOLID 2.2! CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 7 PIN, CONNECTOR 7	7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k	2KV 2KV	ZB3 ZB20 ******* C1401 C1402 C1403 C1404 C1406 C1407 C1408 C1407 C1412	**1-564-524-11 **1-691-292-11 ***-1622-005-A **CAF 1-163-038-00 1-163-037-00 1-163-037-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00	PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH CERANIC CH	IIP 0.1MF IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 15PF IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.0047	****** MF F	10% 10% 5% 5% 5%	25V 25V 50V 50V 50V 50V 50V 50V 25V 50V 25V
*1-644-717-11 *4-341-752-01 <ca c1901<="" td=""><td>ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 33OPI SISTOR> SOLID 2.21 SOLID 2.22 CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3</td><td>7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k</td><td>2KV 2KV</td><td>ZB3 ZB20 ZB20 C1401 C1402 C1403 C1404 C1405 C1406 C1409 C1410 C1410 C1410 C1416 C1416 C1416 C1416</td><td>**-164-524-11 **1-691-292-11 **-163-038-00 1-163-038-00 1-163-037-00 1-163-097-00 1-163-097-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH</td><td>ONPLETE **********************************</td><td>WF F</td><td>10% 10% 5%</td><td>25V 25V 25V 50V 50V 50V 50V 50V 25V 50V 25V 50V</td></ca>	ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 33OPI SISTOR> SOLID 2.21 SOLID 2.22 CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3	7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k	2KV 2KV	ZB3 ZB20 ZB20 C1401 C1402 C1403 C1404 C1405 C1406 C1409 C1410 C1410 C1410 C1416 C1416 C1416 C1416	**-164-524-11 **1-691-292-11 **-163-038-00 1-163-038-00 1-163-037-00 1-163-097-00 1-163-097-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00	PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH	ONPLETE **********************************	WF F	10% 10% 5%	25V 25V 25V 50V 50V 50V 50V 50V 25V 50V 25V 50V
*1-644-717-11 *4-341-752-01 <ca c1901<="" td=""><td>ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 33OPI SISTOR> SOLID 2.21 SOLID 2.22 CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3</td><td>7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k</td><td>2KV 2KV</td><td>ZB3 ZB20 2B20 C1401 C1402 C1403 C1404 C1405 C1406 C1407 C1408 C1409 C1410 C1412 C1414 C1417 C1419</td><td>**************************************</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH</td><td>ONPLETE IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 150PF IIP 150PF IIP 304PF IIP 3</td><td>WF F</td><td>10% 10% 5% 5% 5%</td><td>25V 25V 25V 25V 25V 50V 25V 50V 25V 25V 25V 25V 25V</td></ca>	ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 33OPI SISTOR> SOLID 2.21 SOLID 2.22 CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3	7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k	2KV 2KV	ZB3 ZB20 2B20 C1401 C1402 C1403 C1404 C1405 C1406 C1407 C1408 C1409 C1410 C1412 C1414 C1417 C1419	**************************************	PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH	ONPLETE IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 150PF IIP 150PF IIP 304PF IIP 3	WF F	10% 10% 5% 5% 5%	25V 25V 25V 25V 25V 50V 25V 50V 25V 25V 25V 25V 25V
*1-644-717-11 *4-341-752-01 <ca ***********************************<="" *1-564-518-1="" *1-691-292-11="" 1-162-115-00="" 1-202-822-00="" 1-249-414-11="" <rb="" c1901="" c1902="" r1901="" r1902="" r1903="" r1904="" td="" zr18="" zr2=""><td>ZR BOARD BYBLET (BY1, BY2) PACITOR> CERANIC 330PI CERANIC 330PI SISTOR> SOLID 2.2: SOLID 2.2: CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3 PIN, CONNECTOR 7</td><td>7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k</td><td>2KV 2KV</td><td>ZB3 ZB20 ZB20 ZB20 C1401 C1402 C1403 C1404 C1406 C1407 C1408 C1406 C1407 C1408 C1416 C1417 C1416 C1417 C1416 C1417</td><td>*A-1622-005-A *CAf 1-163-038-00 1-163-038-00 1-163-037-11 1-163-097-00 1-163-097-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-122-00 1-163-122-00 1-163-122-00 1-163-038-00</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH</td><td>ONPLETE IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 150PF IIP 150PF IIP 304PF IIP 3</td><td>WF F</td><td>10% 10% 5% 5% 5%</td><td>25V 25V 25V 25V 25V 25V 25V 25V 25V 25V</td></ca>	ZR BOARD BYBLET (BY1, BY2) PACITOR> CERANIC 330PI CERANIC 330PI SISTOR> SOLID 2.2: SOLID 2.2: CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3 PIN, CONNECTOR 7	7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k	2KV 2KV	ZB3 ZB20 ZB20 ZB20 C1401 C1402 C1403 C1404 C1406 C1407 C1408 C1406 C1407 C1408 C1416 C1417 C1416 C1417 C1416 C1417	*A-1622-005-A *CAf 1-163-038-00 1-163-038-00 1-163-037-11 1-163-097-00 1-163-097-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-122-00 1-163-122-00 1-163-122-00 1-163-038-00	PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH	ONPLETE IIP 0.1MF IIP 0.047 IIP 0.0047 IIP 15PF IIP 0.0047 IIP 0.0047 IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 150PF IIP 150PF IIP 304PF IIP 3	WF F	10% 10% 5% 5% 5%	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
*1-644-717-11 *4-341-752-01 <ca c1901<="" td=""><td>ZR BOARD BYBLET (EY1, EY2) PACITOR> CERAMIC 330PI CERAMIC 330PI SISTOR> SOLID 2.21 SOLID 2.21 CARBON 560 CARBON 560 NNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 7 PLUG, CONNE</td><td>7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k</td><td>2KV 2KV</td><td>ZB3 ZB20 2B20 C1401 C1402 C1403 C1404 C1405 C1406 C1407 C1408 C1409 C1410 C1412 C1414 C1417 C1419</td><td>*A-1622-005-A *A-1622-005-A *CAR 1-163-038-00 1-163-038-00 1-163-037-10 1-163-097-00 1-163-097-00 1-163-097-00 1-163-038-00 1-163-121-00 1-163-121-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH</td><td>ONPLETE ******** ONPLETE ******* IIP 0.1MF IIP 0.0047 IIP 0.0047 IIP 15PF IIP 15PF IIP 15PF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 330PF IIP 330PF IIP 34PP IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF</td><td>**************************************</td><td>10% 10% 5% 5% 5%</td><td>25V 25V 50V 50V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25</td></ca>	ZR BOARD BYBLET (EY1, EY2) PACITOR> CERAMIC 330PI CERAMIC 330PI SISTOR> SOLID 2.21 SOLID 2.21 CARBON 560 CARBON 560 NNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 7 PLUG, CONNE	7 10X 7 10X 8 20X 1/2k 5 20X 1/2k 5 1/4k 5 1/4k	2KV 2KV	ZB3 ZB20 2B20 C1401 C1402 C1403 C1404 C1405 C1406 C1407 C1408 C1409 C1410 C1412 C1414 C1417 C1419	*A-1622-005-A *A-1622-005-A *CAR 1-163-038-00 1-163-038-00 1-163-037-10 1-163-097-00 1-163-097-00 1-163-097-00 1-163-038-00 1-163-121-00 1-163-121-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-129-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00	PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH	ONPLETE ******** ONPLETE ******* IIP 0.1MF IIP 0.0047 IIP 0.0047 IIP 15PF IIP 15PF IIP 15PF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 330PF IIP 330PF IIP 34PP IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF IIP 0.1MF	**************************************	10% 10% 5% 5% 5%	25V 25V 50V 50V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
*1-644-717-11 *4-341-752-01 <ca **4-341-752-01="" *1-564-518-11="" *1-564-522-11="" *1-691-292-11="" 1-162-115-00="" 1-202-822-00="" 1-249-414-11="" <cc="" <re="" c1901="" c1902="" c<="" cc="" r1901="" r1902="" r1903="" td="" zr18="" zr2="" zri=""><td>ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 330PI CERAMIC 330PI SISTOR> SOLID 2.21 CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3 PIN, CONNECTOR 7 PLUG, CONNECTOR 7 PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3 OF CREANIC 330P</td><td>F 10X K 20X 1/2k K 20X 1/2k 5X 1/2k 5X 1/4k P C BOARD) 3P</td><td>2KV 2KV</td><td>ZB3 ZB20 ZB20 C1401 C1402 C1403 C1404 C1405 C1407 C1408 C1409 C1410 C1412 C1414 C1416 C1417 C1419 C1422 C1424 C1424 C1424 C1424 C1424 C1424 C1425</td><td>*A-1622-005-A *A-1622-005-A *CAR 1-163-038-00 1-163-038-00 1-163-037-00 1-163-097-00 1-163-017-00 1-163-038-00 1-163-038-00 1-163-121-00 1-163-121-00 1-163-122-00 1-163-123-00 1-163-123-00 1-163-123-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH CEBANIC CH</td><td>COMPLETE ******** ******* ******* ******* ****</td><td>**************************************</td><td>10% 10% 10% 5% 10% 5% 5% 5% 5% 10%</td><td>25 V 25 V 25 V 25 V 25 V 25 V 25 V 25 V</td></ca>	ZR BOARD BYBLET (BY1, BY2) PACITOR> CERAMIC 330PI CERAMIC 330PI SISTOR> SOLID 2.21 CARBON 560 CARBON 560 INNECTOR> PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3 PIN, CONNECTOR 7 PLUG, CONNECTOR 7 PLUG, CONNECTOR 7 PLUG, CONNECTOR 3 PIN, CONNECTOR 3 OF CREANIC 330P	F 10X K 20X 1/2k K 20X 1/2k 5X 1/2k 5X 1/4k P C BOARD) 3P	2KV 2KV	ZB3 ZB20 ZB20 C1401 C1402 C1403 C1404 C1405 C1407 C1408 C1409 C1410 C1412 C1414 C1416 C1417 C1419 C1422 C1424 C1424 C1424 C1424 C1424 C1424 C1425	*A-1622-005-A *A-1622-005-A *CAR 1-163-038-00 1-163-038-00 1-163-037-00 1-163-097-00 1-163-017-00 1-163-038-00 1-163-038-00 1-163-121-00 1-163-121-00 1-163-122-00 1-163-123-00 1-163-123-00 1-163-123-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00	PLUG, CONNE PIN, CONNE P BOARD, C CERANIC CH CEBANIC CH	COMPLETE ******** ******* ******* ******* ****	**************************************	10% 10% 10% 5% 10% 5% 5% 5% 5% 10%	25 V 25 V 25 V 25 V 25 V 25 V 25 V 25 V
*1-644-717-11 *4-341-752-01 <ca c1901<="" td=""><td>ZR BOARD STATE OF THE PROPERTY OF THE PROPERT</td><td>F 10X K 20X 1/2k K 20X 1/2k 5X 1/2k 5X 1/4k P C BOARD) 3P</td><td>2KV 2KV</td><td>ZB3 ZB20 ************************************</td><td>***-1622-005-A **-1622-005-A **-1632-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-121-00 1-163-121-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00</td><td>PLUG, CONNE PIN, CONNE P BOARD, C CERAMIC CH</td><td>**************************************</td><td>**************************************</td><td>107 107 107 57 57 57 57 57 57 57 57</td><td>25V 25V 25V 50V 50V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25</td></ca>	ZR BOARD STATE OF THE PROPERTY OF THE PROPERT	F 10X K 20X 1/2k K 20X 1/2k 5X 1/2k 5X 1/4k P C BOARD) 3P	2KV 2KV	ZB3 ZB20 ************************************	***-1622-005-A **-1622-005-A **-1632-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-121-00 1-163-121-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00	PLUG, CONNE PIN, CONNE P BOARD, C CERAMIC CH	**************************************	**************************************	107 107 107 57 57 57 57 57 57 57 57	25V 25V 25V 50V 50V 50V 25V 50V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25

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	REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION)N			REMARK	
	C1430 C1431 C1432 C1433 C1434	1-163-038-00 1-163-031-11 1-163-031-11 1-163-031-11 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.01MF 0.01MF 0.01MF 0.1MF		25V 50V 50V 50V 25V	111410	8-759-055-52 8-759-046-27 8-759-504-21 8-759-037-45 8-759-081-30	IC MC78LU8	CPRP				
	C1436 C1437 C1438	1-163-038-00 1-163-038-00 1-164-343-11 1-163-009-11 1-164-005-11	CERANIC CHIP	0.1MF 0.056MF 0.001MF 0.47MF	10% 10%	25V 25V 25V 50V 25V	L1401 L1405 L1406	<01 1-408-418-00 1-408-407-00 1-408-407-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	56U 6.8 6.8	UH			
	C1443 C1444 C1445	1-164-005-11 1-163-251-11 1-164-005-11 1-164-005-11	CERANIC CHIP CERANIC CHIP CERANIC CHIP	0.47MF 100PF 0.47MF 0.47MF	5%	25¥ 50¥ 25¥ 25¥		<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td></td><td></td></tra<>	NSISTOR>					
	C1447 C1448 C1449 C1450	1-164-005-11 1-163-038-00 1-164-222-11 1-163-257-11 1-164-005-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.22MF 180PF	5%	25V 25V 25V 50V 25V	Q1404 Q1405	8-729-120-28 8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28	TRANSISTOR TRANSISTOR	2SA1162 2SC1623	-G -L5L6			
	C1454	I-163-038-00 I-163-038-00 I-163-038-00 I-163-133-00 I-163-133-00	CERANIC CHIP	0.1MF 0.1MF 0.1MF 470PF 470PF	5% 5%	25V 25V 25V 50V 50V	Q1408 Q1409 Q1413	8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1162 2SA1162 2SA1162 2SA1162	-6 -6 -6 -7			
	C1457 C1461 C1462 C1463	1-164-005-11 1-164-005-11 1-164-005-11 1-126-101-11 1-126-101-11	CERAMIC CHIP	0.47MF 0.47MF 0.47MF 100MF	20% 20%	25V 25V 25V 16V 16V	Q1415 Q1416 Q1417	8-729-900-53 8-729-120-28 8-729-120-28 8-729-900-53 8-729-900-53	TRANSISTOR	2SC1623 2SC1623- DTC114E	-L5L6 -L5L 6 K			
•	C1465	1-126-101-11	BLECT	100MF	20%	16V -16V	Q1419 Q1421 Q1422	8-729-900-53 8-729-120-28 8-729-120-28	TRANSISTOR TRANSISTOR TRANSISTOR	DTC114EI 2SC1623- 2SC1623-	(-L5L6 -L5L6			
	C1467 C1471 C1472 C1473	1-126=101=11 1-126-101-11 1-164-004-11 1-164-004-11 1-164-004-11	ELECT CERANIC CHIP CERANIC CHIP	100NF 0.1NF 0.1NF	207 107 107	16V 25V 25V 25V	Q1423	8-729-900-36	TRANSISTOR - ISTOR>	DTC124E	5			
	C1481 C1482 C1491	I-164-005-11 1-163-001-11 1-124-907-11	CERANIC CHIP CERANIC CHIP ELECT	0.47MF 220PF 10MF	107 207	25V	R1401	1-216-295-00 1-216-295-00 1-216-295-00 1-216-097-00 1-216-073-00	WETAL CLATE	100K		1/10W 1/10W 1/10W 1/10W 1/10W		
	CN1514*	<coni 1~568-879-51</coni 	NECTOR> Plw. Connecto	IR 4P				1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE	100		1/10W 1/10W		
	CN1515* CN1516* CN1538*	1~568-879-51 1-564-516-11 1-568-879-51 1-573-299-11	PLUG, CONNECTO PIN, CONNECTO CONNECTOR, BO	TOR 13P OR 4P DARD TO BOARD	10P		R1403 R1404 R1405 R1406 R1407	1-216-049-00 1-216-051-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K	5333334 555555	1/10@ 1/10@ 1/10W		
		1010>)E>				R1408 R1410	1-216-041-00 1-216-029-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 150 470	5% 5% 5% 5%	1/10W 1/10W 1/10W		
	D1401	8-719-401-41	DIODE MA3051L	.− † X			R1412 R1413	1-216-041-00 1-216-041-00	METAL GLAZE METAL GLAZE	470 470	5% 5%	1/10W 1/10W		
	Pi 1403	<fil1< td=""><td></td><td>COMPONENS</td><td></td><td></td><td>R1414 R1415</td><td>1-216-041-00 1-216-041-00</td><td>METAL GLAZE METAL GLAZE</td><td>470 470</td><td>5% 5%</td><td>1/10W 1/10W</td><td></td><td></td></fil1<>		COMPONENS			R1414 R1415	1-216-041-00 1-216-041-00	METAL GLAZE METAL GLAZE	470 470	5% 5%	1/10W 1/10W		
	FE1405	1-236-071-11 1-236-071-11 1-236-071-11 1-236-071-11	ENCAPSULATED	CUMPONENT				1-216-041-00 1-216-041-00 1-216-033-00 1-216-027-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 220 120 220	5% 5% 5%	1/10W 1/10W 1/10W		
		1-236-071-11 1-236-071-11 1-236-071-11					R1425 R1426	1-216-023-00 1-216-041-00 1-216-041-00 1-216-041-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82 470 470 470 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		
	1C1401	<1C> 8-759-073-16	IC TDA9160/N2				R1429	1-216-091-00 1-216-029-00	METAL GLAZE	56K	5%	1/10W 1/10W		
	IC1402 IC1403	8-759-073-16 8-759-156-36 8-759-055-51	IC TDA4661TS/ IC SDA9087XGE	V2 G			R1432	1-216-031-00	METAL GLAZE	180	57 57	1/100		

P A1 REF. NO. PART NO. DESCRIPTION REMAI	REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO. PART NO. DESI	CRIPTION :-	A1 M
R1433 I-216-113-00 METAL GLAZE 470K 5½ 1/10W R1434 I-216-023-00 METAL GLAZE 82 5½ 1/10W R1435 I-216-075-00 METAL GLAZE 12K 5½ 1/10W R1436 1-216-045-00 METAL GLAZE 12K 5½ 1/10W R1437 1-216-033-00 METAL GLAZE 220 5½ 1/10W	C1106 1-163-437-91 CERAMIC CRIP 180PF C1107 1-163-009-11 CERAMIC CRIP 0.001MF C1108 1-163-059-00 CERAMIC CRIP 0.01MF C1109 1-163-033-00 CERAMIC CRIP 0.02ZMF C1110 1-164-336-11 CERAMIC CRIP 0.33MF	5% 50V 10% 50V 50V 50V 25V	FB1101 1-410-396-41 FERRITE BEAD INDUCTOR FB1102 1-410-396-41 FERRITE BEAD INDUCTOR		R1128 I-216-089-00 METAI R1129 I-216-089-00 METAI R1130 I-216-246-00 METAI	L GLAZE 100K 5%	1/10W 1/10W 1/10W 1/8W 1/8W
R1438 1-216-047-00 METAL GLAZE 820 5% 1/10W R1439 1-216-057-00 METAL GLAZE 2.2% 5% 1/10W R1440 1-249-413-11 CARBON 470 5% 1/4W R1441 1-216-053-00 METAL GLAZE 1.5% 5% 1/10W R1442 1-216-053-00 METAL GLAZE 1.5% 5% 1/10W	C1111 1-163-009-11 CERANIC CHIP 0.001MF C1112 1-164-161-11 CERANIC CHIP 0.0022MF C1113 1-124-477-11 ELECT 47MF C1114 1-163-038-00 CERANIC CHIP 0.1MF C1115 1-124-477-11 ELECT 47MF C1115 1-106-228-00 MYLAR 0.22MF	10% 50V 10% 50V 20% 16V 25V 20% 16V	FB1103 1-410-396-41 FERRITE BEAD INDUCTOR FB1104 1-410-396-41 FERRITE BEAD INDUCTOR FB1105 1-410-396-41 FERRITE BEAD INDUCTOR FB1107 1-410-396-41 FERRITE BEAD INDUCTOR		R1131 1-216-218-00 METAI R1132 1-216-097-00 METAI R1133 1-216-089-00 METAI R1134 1-216-081-00 METAI R1135 1-216-081-00 METAI R1136 1-216-081-00 METAI	GLAZE 100X 52 GLAZE 47K 52 GLAZE 3.9K 52 GLAZE 22K 52	1/10W 1/10W 1/10W 1/8W 1/10W 1/10W
R1444 1-216-041-00 METAL GLAZE 470 5% 1/10W R1445 1-216-083-00 METAL GLAZE 27K 5% 1/10W R1446 1-216-079-00 METAL GLAZE 18K 5% 1/10W R1449 1-216-033-00 METAL GLAZE 220 5% 1/10W	C1110 1-103-228-00 CERANIC CHIP 0.22MF C1117 1-163-081-00 CERANIC CHIP 6.02MF C1118 1-163-113-00 CERANIC CHIP 68PF C1120 1-163-193-00 CERANIC CHIP 330PF C1120 1-163-113-00 CERANIC CHIP 68PF	100 100V 25V 50V 50V 50V 50V 50V 50V	<ic> IC1101 8-759-511-88 1C TDA8732 IC1102 8-759-073-17 1C SAA7282P</ic>		R1137 1-216-095-00 METAL R1138 1-216-097-00 METAL	GLAZE 82K 5X GLAZE 100K 5X GLAZE 15 57	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
R1451 1-216-073-00 METAL GLAZE 10K 5% 1/10W R1453 1-216-025-00 METAL GLAZE 100 5% 1/10W R1454 1-216-025-00 METAL GLAZE 100 5% 1/10W R1455 1-216-081-00 METAL GLAZE 22K 5% 1/10W	C1122 1-163-081-00 CERAMIC CHIP 0.22MF C1123 1-106-228-00 MYLAR 0.22MF C1124 1-124-477-11 BLECT 47MF C1125 1-124-477-11 BLECT 47MF C1126 1-163-077-00 CERAMIC CHIP 0.1MF	25V 10X 100V 20X 16V 20X 16V	COIL> L1101 1-408-405-00 INDUCTOR 4.7UH L1102 1-408-405-00 INDUCTOR 4.7UH L1103 1-410-119-11 INDUCTOR 1MMH L1104 1-410-119-11 INDUCTOR 1MMH			GLAZE 220 5% GLAZE 1K 5% GLAZE 1K 5% GLAZE 10 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1461 1-216-059-00 METAL GLAZE 2.7K 5X 1/10W R1462 1-216-059-00 METAL GLAZE 2.7K 5X 1/10W R1463 1-249-417-11 CARBON 1X 5X 1/4W	C1127 1-163-038-00 CERAMIC CHIP 0. IMF C1128 1-124-477-11 ELECT 47MF C1129 1-163-038-00 CERAMIC CHIP 0. IMF C1130 1-163-050-00 CERAMIC CHIP 0.001MF C1131 1-163-059-00 CERAMIC CHIP 0.01MF	25V 26V 25V 10X 50V	<pre><transistor> Q1101 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q1102 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q1103 8-729-120-28 TRANSISTOR SC1623-L5L6</transistor></pre>		R1147 1-216-045-00 METAL R1148 1-216-049-00 METAL R1149 1-216-001-00 METAL R1150 1-216-045-00 METAL R1151 1-216-049-00 METAL	GLAZE 1K 5% GLAZE 10 5% GLAZE 680 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1471 1-216-037-00 METAL GLAZE 330 5% 1/10W R1481 1-216-097-00 METAL GLAZE 100X 5% 1/10W R1482 1-216-081-00 METAL GLAZE 22K 5% 1/10W R1483 1-216-097-00 METAL GLAZE 22K 5% 1/10W R1484 1-216-083-00 METAL GLAZE 27K 5% 1/10W R1485 1-216-041-00 METAL GLAZE 470 5% 1/10W R1485 1-216-033-00 METAL GLAZE 470 5% 1/10W R1485 1-216-033-00 METAL GLAZE 220 5% 1/10W	C1132 1-163-038-00 CERANIC CHIP 0.1MF C1133 1-124-907-11 ELECT 10MF C1134 1-163-009-11 CERANIC CHIP 0.001MF C1135 1-163-038-00 CERANIC CHIP 0.1MF C1136 1-163-117-00 CERANIC CHIP 100PF C1137 1-163-038-00 CERANIC CHIP 10.1MP	25V 20X 50V 10X 50V 25V 5X 50V	\$1103 8-729-120-28 TRANSISTOR 25C1623-1516 \$1104 8-729-120-28 TRANSISTOR 25C1623-1516 \$1105 8-729-120-28 TRANSISTOR 25C1623-1516 \$1105 8-729-120-28 TRANSISTOR 25C1623-1516 \$1107 8-729-120-28 TRANSISTOR 25C1623-1516 \$1108 8-729-120-28 TRANSISTOR 25C1623-1516 \$1108 8-729-120-28 TRANSISTOR 25C1623-1516		R1152 1-216-049-00 METAL R1153 1-216-049-00 METAL R1154 1-216-041-00 METAL		1/10W 1/10W 1/10W
R1486 1-216-033-00 MBTAL GLAZE 220 5% 1/10w R1487 1-216-065-00 MBTAL GLAZE 4.7K 5% 1/10w R1492 1-216-033-00 MBTAL GLAZE 220 5% 1/10w R1493 1-216-073-00 MBTAL GLAZE 10K 5% 1/10w	C1138 1-163-105-00 CERAMIC CHIP 33PF C1139 1-163-105-00 CERAMIC CHIP 33PF C1140 1-163-181-00 CERAMIC CHIP 100PF	5% 50V 5% 50V 5% 50V	<resistor></resistor>		X1101 1-579-689-21 VIBRA X1102 1-579-282-21 VIBRA	TOR, CRYSTAL TOR, CRYSTAL	
R1494 1-216-174-00 METAL GLAZE 100 5% 1/8W R1495 1-216-053-00 METAL GLAZE 1.5K 5% 1/10W R1496 1-216-055-00 METAL GLAZE 4.7K 5% 1/10W R1497 1-216-041-00 METAL GLAZE 470 5% 1/10W R1498 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W	C1141 1-163-205-00 CERAMIC CHIP 0.001MF C1142 1-163-019-00 CERAMIC CHIP 0.0068MF C1143 1-163-003-11 CERAMIC CHIP 330PF C1144 1-163-121-00 CERAMIC CHIP 150PF C1145 1-163-121-00 CERAMIC CHIP 150PF	5% 50V 50V 10% 50V 5% 50V 5% 50V	JR1101 1-216-296-00 METAL GLAZE 0 5% 1/ JR1102 1-216-296-00 METAL GLAZE 0 5% 1/ JR1103 1-216-295-00 METAL GLAZE 0 5% 1/ JR1104 1-216-295-00 METAL GLAZE 0 5% 1/ R1101 1-216-188-00 METAL GLAZE 390 5% 1/	BW BW LOW BW	*A-1635-001-A M BOA		**************
R1499 1-216-049-00 METAL GLAZE 1K 5% 1/10W CRYSTAL> X1401 1-567-505-11 OSCILLATOR, CRYSTAL	C1146 1-163-038-00 CERAMIC CHIP 0.1WF C1147 1-124-477-11 ELECT 47MF C1148 1-164-161-11 CERAMIC CHIP 0.0022MF C1149 1-124-477-11 ELECT 47MF C1150 1-163-038-00 CERAMIC CHIP 0.1MF	25V 20Y 16V 10X 50V 20Y 16V 25V	R1102 1-216-049-00 METAL GLAZE 1K 5% 1/ R1103 1-216-198-00 METAL GLAZE 1K 5% 1/ R1104 1-216-041-00 METAL GLAZE 470 5% 1/ R1105 1-216-005-00 METAL GLAZE 15 5% 1/ R1106 1-216-036-00 METAL GLAZE 300 5% 1/	SW LOW LOW	CAPACITOR C001 1-163-117-00 CERAM C003 1-163-117-00 CERAM C007 1-163-117-00 CERAM C008 1-163-117-00 CERAM		50V 50V 50V 50V 50V 50V
*A-1630-111-A AL BOARD, COMPLETB	C1151 1-163-038-00 CERAMIC CHIP 0.1MF C1152 1-124-477-11 ELECT C1153 1-163-087-00 CERAMIC CHIP 4PF C1154 1-163-038-00 CERAMIC CHIP 0.1MF C1155 1-124-477-11 ELECT 47MF	25V 20X 16V 0.25PF 50V 25V 20X 16V	R1107 1-216-042-00 METAL GLAZE 510 5% 1/7 R1108 1-216-063-00 METAL GLAZE 3.9K 5% 1/7 R1109 1-216-202-00 METAL GLAZE 1.5K 5% 1/8 R1110 1-216-196-00 METAL GLAZE 820 5% 1/8 R1111 1-216-041-00 METAL GLAZE 470 5% 1/8	OM M OM	CO10 1-163-117-00 CERAM CO11 1-163-117-00 CERAM		\$\frac{3}{2} \frac{50V}{50V}\$ \$\frac{3}{2} \frac{50V}{50V}\$ \$\frac{3}{2} \frac{50V}{50V}\$
<pre><filter> BP1101 1-239-047-11 FILTER, BAND PASS CF1102 1-404-134-00 TRAP, CERAMIC (5.5MHZ)</filter></pre>	C1156 1-163-009-11 CERAMIC CHIP 0.001MF C1157 1-163-009-11 CERAMIC CHIP 0.001MF C1158 1-163-038-00 CERAMIC CHIP 0.1MF	10% 50V 10% 50V 25V	RIJI2 1-216-051-00 METAL GLAZE 1,2K 5% 1/7 RIJI3 1-216-001-00 METAL GLAZE 10 5% 1/7 RIJI4 1-216-105-00 METAL GLAZE 220K 5% 1/7 RIJI5 1-216-121-00 METAL GLAZE 1K 5% 1/7 RIJI6 1-216-198-00 METAL GLAZE 1K 5% 1/8	M OM OM	C018 1-164-505-11 CERAM C019 1-126-233-11 ELECT C032 1-163-117-00 CERAM C035 1-163-037-11 CERAM C036 1-164-005-11 CERAM	22MF 2.2MF 2 22MF 2 IC CHIP 100PF 5 IC CHIP 0.022MF 1 IC CHIP 0.47MF	16V 0% 50V % 50V 0% 25V 25V
<pre><capacitor> C1101 1-126-101-11 ELECT</capacitor></pre>	CNO201 1-695-300-11 CONNECTOR, BOARD TO BOARD <diode></diode>	D 20P	R1117 1-216-097-00 METAL GLAZE 100K 5% 1/1 R1118 1-216-097-00 METAL GLAZE 100K 5% 1/1 R1119 1-216-073-00 METAL GLAZE 10K 5% 1/1 R1120 1-216-232-00 METAL GLAZE 27K 5% 1/2 R1121 1-216-081-00 METAL GLAZE 22K 5% 1/1	DM M OM	C037 1-163-117-00 CERAM: C501 1-163-020-00 CERAM: C502 1-164-232-11 CERAM: C503 1-137-367-91 FILM: C504 1-110-330-81 MYLAR	IC CHIP 100PF 5 IC CHIP 0.0082MF 1 IC CHIP 0.01MF 1 0.0033MF 5 0.56MF 1	% 50V 0% 50V % 50V % 63V
C1105 1-163-038-00 CERAMIC CHIP 0.1WF 10x 25V C1105 1-163-081-00 CERAMIC CHIP 0.22MF 25V	D1101 8-719-104-34 D10DE 152836 P1102 8-719-027-70 D10DE 15V217-TPH3 D1103 8-719-820-71 D10DE 15V214		R1122 1-216-158-00 METAL GLAZE 22 5% 1/8 R1123 1-216-158-00 METAL GLAZE 22 5% 1/8 R1124 1-216-089-00 METAL GLAZE 47K 5% 1/1 R1125 1-216-097-00 METAL GLAZE 100K 5% 1/1 R1126 1-216-218-00 METAL GLAZE 6.8K 5% 1/8	OW OW	C505 1-124-925-11 ELECT C506 1-162-568-11 CERANI	2.2MF 2 C CHIP 0.33MF 1 C CHIP 0.22MF 1	ÖŽ ŠÖV OŽ 16V OŽ 16V OŽ 50V

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10.110.110.1	REF.NO. PART NO. DESCRIPTION	aeana	REF.NO. PART NO. DESCRIPTION REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
C509 I-164-004-II CERAMIC CHIP 0.1MF 10% 25V C510 I-124-925-II ELECT 2.2MF 20% 50V C511 I-106-375-12 WIVAR 0.022MF 10% 250V C512 I-126-103-II ELECT 470MF 20% 16V C513 I-163-209-00 CERAMIC CHIP 0.0015MF 5% 50V C514 I-163-105-00 CERAMIC CHIP 33PF 5% 50V	L001 1-408-421-00 INDUCTOR 100UH 1501 1-410-119-11 INDUCTOR 1NMH 1561 1-408-409-00 INDUCTOR 10UH 1562 1-408-409-00 INDUCTOR 10UH 1563 1-408-947-00 INDUCTOR 2.2MH		R505 1-216-075-00 METAL GLAZE 12K 5% 1/10W R506 1-216-049-00 METAL GLAZE 1K 5% 1/10W R507 1-216-099-00 METAL GLAZE 12OK 5% 1/10W R509 1-216-099-00 METAL GLAZE 300 5% 1/10W R510 1-216-073-00 METAL GLAZE 10K 5% 1/10W	CO5 1-163-037-11 CERAMIC CHIP 0.022MF CO6 1-124-120-11 ELECT 220MF CO7 1-124-903-11 ELECT 1MF CO8 1-163-097-00 CERAMIC CHIP 15PF CO9 1-163-143-00 CERAMIC CHIP 470PF	10% 25V 20% 16V 200 50V 5% 50V 5% 50V 5% 50V
C519 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V C522 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V C523 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V C531 1-164-493-11 CERAMIC CHIP 0.007MF 10% 50V C532 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 16V C538 1-164-489-11 CERAMIC CHIP 0.22MF 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	<pre></pre>		R512 1-216-049-00 METAL GLAZE 1K 5% 1/10W R513 1-216-230-00 METAL GLAZE 2X 5% 1/8W R514 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R515 1-216-049-00 METAL GLAZE 1K 5% 1/10W R516 1-216-039-00 METAL GLAZE 390 5% 1/10W R517 1-216-039-00 METAL GLAZE 390 5% 1/10W	C11 I-163-037-11 CERAMIC CHIP 0.022MF C12 I-163-127-00 CERAMIC CHIP 270PF C13 I-163-117-00 CERAMIC CHIP 100PF C14 I-163-097-00 CERAMIC CHIP 15PF C15 I-163-103-00 CERAMIC CHIP 27PF	10% 25V 52 50V 52 50V 52 50V 53 50V
C542 i-163-037-11 CERAMIC CHIP 0.022MF 10% 25V C543 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V C544 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V C546 1-164-004-11 CERAMIC CHIP 0.002MF 10% 25V C547 1-163-020-00 CERAMIC CHIP 0.0082MF 10% 50V C549 1-163-989-11 CERAMIC CHIP 0.0082MF 10% 50V C549 1-163-989-11 CERAMIC CHIP 0.0033MF 10% 25V	Q508		R518 1-216-075-00 METAL GLAZE 12K 5% 1/10W R520 1-216-033-00 METAL GLAZE 220 5% 1/10W R520 1-216-093-00 METAL GLAZE 68K 5% 1/10W R521 1-216-053-00 METAL GLAZE 1.5K 5% 1/10W R522 1-216-085-00 METAL GLAZE 33K 5% 1/10W R523 1-216-065-00 METAL GLAZE 33K 5% 1/10W R523 1-216-065-00 METAL GLAZE 39K 5% 1/10W R524 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R524 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W	C16 1-164-232-11 CERAMIC CHIP 0.01NF C17 1-163-809-11 CERAMIC CHIP 0.047MF C18 1-163-093-00 CERAMIC CHIP 10PF C19 1-163-089-00 CERAMIC CHIP 6PF C20 1-163-125-00 CERAMIC CHIP 220PF C21 1-163-833-00 CERAMIC CHIP 0.068MF C22 1-163-117-00 CERAMIC CHIP 100PF	10% 50V 10% 25V 5% 50V 0.25PF 50V 5% 50V
ČŚŚÓ 1-163-141-00 CÉRRAMIC CHIP 0.001MF 5% 50V C552 1-163-037-11 CERAMIC CHIP 0.022MF 10% 25V C559 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C560 1-164-161-11 CERAMIC CHIP 0.0022MF 10% 50V C562 1-216-295-00 METAL GLAZE 5% 1/10W C563 1-163-031-11 CERAMIC CHIP 0.01MF 50V	Q567 8-729-901-01 TRANSISTOR DTC144EK	1/10W 1/10W 1/10W	R525 1-216-093-00 NETAL GLAZE 68K 5% 1/10W R526 1-216-073-00 NETAL GLAZE 10K 5% 1/10W R527 1-216-689-11 METAL GLAZE 39K 5% 1/10W R528 1-216-049-00 METAL GLAZE 1K 5% 1/10W R529 1-216-696-11 METAL GLAZE 1K 5% 1/10W R531 1-216-085-00 METAL GLAZE 33K 5% 1/10W	C23 1-163-210-00 CBRANIC CHIP 0.0016MF C24 1-164-505-11 CBRANIC CHIP 2.2MF C25 1-164-505-11 CBRANIC CHIP 2.2MF C26 1-163-809-11 CBRANIC CHIP 0.047MF C28 1-163-137-00 CBRANIC CHIP 680PF C30 1-136-171-00 FILM 0.33MF	5% 50V 16V 16V 10X 25V 5% 50V 5% 50V
C564 1-163-031-11 CBRAMIC CHIP 0.01MF 50V C565 1-163-031-11 CBRAMIC CHIP 0.01MF 50V C566 1-163-031-11 CBRAMIC CHIP 0.01MF 50V C567 1-163-009-11 CBRAMIC CHIP 0.001MF 10% 50V C568 1-163-009-11 CBRAMIC CHIP 0.001MF 10% 50V C569 1-164-161-11 CBRAMIC CHIP 0.001MF 10% 50V C570 1-162-568-11 CBRAMIC CHIP 0.33MF 10% 50V C570 1-162-568-11 CBRAMIC CHIP 0.33MF 10% 16V	R003 1-216-049-00 METAL GLAZE 1X 5X R006 1-216-049-00 METAL GLAZE 1X 5X R007 1-216-079-00 METAL GLAZE 1X 5X R010 1-216-049-00 METAL GLAZE 1X 5X R011 1-216-049-00 METAL GLAZE 1X 5X R011 1-216-049-00 METAL GLAZE 1X 5X R012 1-216-049-00 METAL GLAZE 1X 5X R012 1-216-049-00 METAL GLAZE 1X 5X SX R012 1-216-049-00 METAL GLAZE 1X 5X SX SX SX SX SX SX S	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R532 1-249-427-11 METAL 6.8K 5% 1/4W R533 1-216-105-00 METAL GLAZE 220K 5% 1/10W R535 1-216-057-00 METAL GLAZE 220K 5% 1/10W R536 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R538 1-216-025-00 METAL GLAZE 2.2K 5% 1/10W R538 1-216-025-00 METAL GLAZE 100 5% 1/10W R539 1-216-657-11 METAL CHIP 1.8K 0.50% 1/10W	C32	25V 20X 50V 20X 50V 5X 50V 5X 50V 1/10W 5X 50V
<pre><pilter> CD001 1-577-364-11 VIBRATOR, CERAMIC</pilter></pre>	R014 1-216-049-00 METAL GLAZE 1K 5Z R015 1-216-296-00 METAL GLAZE 0 5Z R016 1-216-045-00 METAL GLAZE 0 5Z R017 1-216-049-00 METAL GLAZE 1K 5Z R018 1-216-041-00 METAL GLAZE 1K 5Z	1/10W 1/8W 1/10W 1/10W	R544 1-216-085-00 METAL GLAZE 33K 5% [/10W R545 1-216-033-00 METAL GLAZE 220 5% 1/10W R546 1-216-061-00 METAL GLAZE 3.3W 5% 1/10W	C40 1-163-263-11 CERANIC CHIP 330PF C53 1-163-038-00 CERANIC CHIP 0.1MF C54 1-163-038-00 CERANIC CHIP 0.1MF <cunnector></cunnector>	5% 50V 25V 25V
CONNECTOR> CN1406*1-568-880-61 PIN CONNECTOR 5P CN1413 1-695-301-11 CONNECTOR BOARD TO BOARD 40P CN1426-1-568-881-51 PIN CONNECTOR 6P CN1432*1-568-882-51 PIN CONNECTOR 7P CN1441-1-564-511-11 PLUG, CONNECTOR 8P	R020 1-216-049-00 METAL GLAZE 1K 5X 8021 1-216-065-00 METAL GLAZE 1K 5X 8025 1-216-049-00 METAL GLAZE 1K 5X 8026 1-216-049-00 METAL GLAZE 1K 5X 8028 1-216-075-00 METAL GLAZE 1ZK 5X 5X 8030 1-216-049-00 METAL GLAZE 1ZK 5X 5X 8030 1-216-049-00 METAL GLAZE 1K 8030 1-216-049-00 1-216-049-00 1-216-049-00 1-216-049-00 1-216-049-00 1-216-049-0	1/10W 1/10W 1/10W 1/10W 1/10W	R551 1-216-049-00 METAL GLAZE IX 5% 1/10W R552 1-216-097-00 METAL GLAZE 100K 5% 1/10W R553 1-216-085-00 METAL GLAZE 33K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R550 1-216-073-00 METAL GLAZE 1K 5% 1/10W	CN1737*1-564-511-11 PLUG, CONNECTOR 8P CN1741*1-564-511-11 PLUG, CONNECTOR 8P <trimmer> CT01 1-141-418-11 CAP, ADJ</trimmer>	
<pre></pre>	R030	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R566 1-216-073-00 METAL GLAZE 10K 5% 1/10W R567 1-216-085-00 METAL GLAZE 33K 5% 1/10W R568 1-216-109-00 METAL GLAZE 330K 5% 1/10W R570 1-216-049-00 METAL GLAZE 1K 5% 1/10W	COLORES DOI 8-719-400-18 DIORE MA152WK DO3 8-719-104-34 DIORE 152836 DO4 8-719-104-34 DIORE MA152WK DO9 8-719-400-18 DIORE MA152WK	
D510 8-719-105-91 D10DE RD5.6M-B2 (1C) 1C001 8-759-072-93 IC SDA30C162 *1-540-123-11 S0CKET, IC 68P; IC001 IC003 8-759-160-87 IC M27C512-20B1-AE27	R051 1-216-081-00 METAL GLAZE 22K 5X R052 1-216-073-00 METAL GLAZE 22K 5X R052 1-216-065-00 METAL GLAZE 10K 5X R054 1-216-081-00 METAL GLAZE 22K 5X R055 1-216-081-00 METAL GLAZE 22K 5X R067 1-216-043-00 METAL GLAZE 560 5X R068 1-216-043-00 METAL GLAZE 560 5X 8068 1-216-043-00 METAL GLAZE 500 5X 8068 1-216-043-00 METAL GLAZE 500 5X 8068 8068 8068 8068 8068 8068 8068 8068 8068 8068	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	RV506 1-241-766-21 RES, ADJ, CERMET 47K	DIO 8-719-400-18 DIODE MAISSWK DII 8-719-400-18 DIODE MAISSWK DI2 8-719-400-18 DIODE MAISSWK <ic></ic>	
1C501 8-759-513-48 1C TDA2595/V9 1C561 8-752-347-92 1C CXD2018Q 1C562 8-759-998-98 1C LM358D 1C563 8-759-081-30 1C MC78LO5ACPRP <coil></coil>	R069	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	<capacitor></capacitor>	ICO1	

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The components identified by shading and mark Δ are critical for safety.

Replace only with part number a specified.

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	PART NO.	DESCRIPTION			REMARK	REF. NO	. PART NO.	DESCRIPTION				REMARK	
	<coil></coil>						1-216-057-00 1-216-071-00	METAL GLAZE METAL GLAZE	2.2K 8.2K	5% 5%	1/10W 1/10W		
L01 L02 L03 L04 L05	1-408-411-00 1-408-414-00 1-408-417-00 1-408-413-00 1-408-409-00	I NOUCTOR I NOUCTOR I NOUCTOR I NOUCTOR I NOUCTOR I NOUCTOR	15UH 27UH 47UH 22UH 10UH			R49 R50 R54 R55	1-216-071-00 1-216-071-00 1-216-073-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 8.2K 10K 6.8K	57 57 57 57	1/10W 1/10W 1/10W 1/10W		
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td><cry:< td=""><td>STAL></td><td></td><td></td><td></td><td></td></cry:<></td></tra<>	NSISTOR>				<cry:< td=""><td>STAL></td><td></td><td></td><td></td><td></td></cry:<>	STAL>						
Q01 Q03	03 8-729-120-28 TRANSISTOR 2SC1623-1-5L6 04 8-729-120-28 TRANSISTOR 2SC1623-1-5L6 05 8-729-120-28 TRANSISTOR 2SC1623-1-5L6 07 8-729-120-28 TRANSISTOR 2SC1623-1-5L6 08 8-729-120-28 TRANSISTOR 2SC1623-1-5L6 09 8-729-120-28 TRANSISTOR 2SC1623-1-5L6 10 8-729-120-28 TRANSISTOR 2SC1623-1-5L6					X02	1-567-495-11						
Q04 Q06 Q07						MISCELLANEOUS							
908 909 910 911 912						\$\langle 1-241-744-11 RESISTOR ASSY (HIGH-VOLTAGE)\$\langle 1-451-396-21 DEFLECTION YORE (Y936PA)\$\langle 1-452-443-13 MECK ASSY, PICTURE TURE (NA367)\$\langle 1-452-108-11 DC BLOCK, HIGH-VOLTAGE 1-504-145-11 SPEAKER (12CM)\$							
	<resistor></resistor>						1-574-590-31	-31 LEAD ASSY, HIGH-VOLTAGE					
JR02 R01 R02 R03 R04	1-216-295-00 1-216-025-00 1-216-025-00 1-216-055-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 100 5% 100 5% 1.8K 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		4	\$ 8-736-631-05 \$ 8-736-632-05 \$ 8-736-633-05	PICTURE TUBE PICTURE TUBE PICTURE TUBE	(SD-24) (SD-24) (SD-24)	9 (G) 9 (8) 9 (R)	}		
R05 R06 R07 R08 R09	1-216-041-00 1-216-029-00 1-216-041-00 1-216-071-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 150 5% 470 5% 8.2K 5% 56K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		*****	ACCESSORIES AND PACKING WATERIALS					*******	
R10 R11 R12 R13	1-216-057-00 1-216-057-00 1-216-057-00 1-216-065-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 2.2K 5% 2.2K 5% 4.7K 5% 3.3K 5%	1/10W 1/10W 1/10W 1/10W 1/10W			3-755-820-11 MANDAL, INSTRUCTION 3-755-820-41 MANDAL, INSTRUCTION 4-030-895-01 JOINT 4-037-938-01 INDIVIDUAL CARTON 4-037-939-01 TRAY 4-037-940-01 PLATE, TOP						
R17 R20 R21	1-216-033-00 1-216-033-00 1-216-049-00 1-216-049-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 220 5% 1K 5% 1K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W			*4-037-940-01 PLATE, TOP *4-037-941-01 PLATE, BUTTOM *4-037-942-01 CUSHION (UPPER) (ASSY) *4-037-943-01 CUSHION (LOWER) (ASSY) *4-388-954-01 BAG, PROTECTION REMOTE COMMANDER						
R24 R25 R26	1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 56K 5% 4.7K 5% 47K 5% 560 5%	1/10W 1/10W 1/10W 1/10W 1/10W			REMO 1-466-804-11 9-903-466-01) 2)					
R29 R30 R31	1-216-043-00 1-216-037-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 5% 560 5% 330 5% 3.3K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W									
RRA	1-216-081-00 1-216-081-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47 5% 22K 5% 22K 5% 2.2K 5% 2.2K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W									
R39 R40	1-216-103-00 1-216-043-00 1-216-033-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	750K 0.50% 180K 0.50% 560 5% 220 5%	1/10W 1/10W 1/10W 1/10W									
R44	1-216-033-00 1-216-033-00 1-216-073-00	METAL GLAZE	220 5% 220 5% 10K 5%	1/10W 1/10W 1/10W	ļ								

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